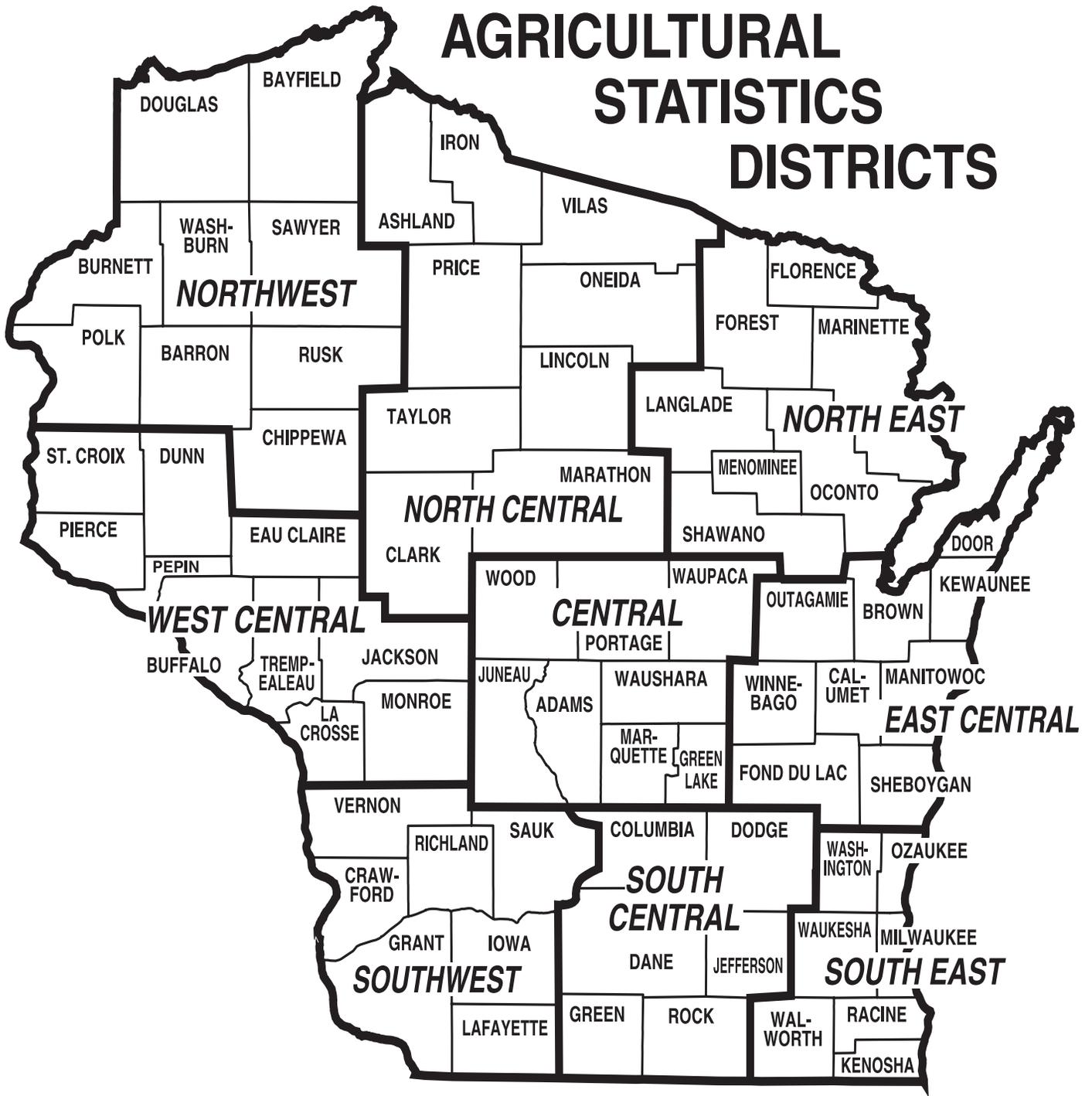


2021 WISCONSIN AGRICULTURAL STATISTICS



AGRICULTURAL STATISTICS DISTRICTS





United States Department of Agriculture
National Agricultural Statistics Service



Cooperating with the Wisconsin Department of Agriculture, Trade and Consumer Protection
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A Cooperative Function of:

**WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE
AND CONSUMER PROTECTION**

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2021 Wisconsin Agricultural Statistics

The USDA's National Agricultural Statistics Service (NASS), Wisconsin Field Office is pleased to team with the Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP) to provide you with the 2021 edition of *Wisconsin Agricultural Statistics*. This publication, which is available on our website, is a statistical profile of Wisconsin's agriculture and includes information at the county level.

In 2020, Wisconsin maintained its position as the number one state in American cheese, cheddar cheese and total cheese production, dry whey for human consumption, milk goat inventory, mink pelts produced, corn harvested for silage, snap beans, and cranberry production. Wisconsin cows produced 14 percent of the nation's milk supply. Throughout this publication you will find many other interesting statistics about Wisconsin's diverse and dynamic agriculture industry.

Included in this year's agricultural statistics bulletin are the results from the 2019 Census of Horticultural Specialties and the 2019 Certified Organic Survey. These reports show how important having diverse agriculture is to Wisconsin's agricultural economy. In 2019 farm organic sales totaled \$269 million dollars, and Wisconsin's total floriculture, nursery and specialty crops generated \$231 million in sales. I want to personally thank each operation that participated in completing these surveys.

Publication and dissemination of agricultural statistics is only possible with cooperation of farmers, agribusiness, commodity groups, and countless others who gave their valuable time to provide the information for the content within this publication. Without this cooperation, this publication would not be available.

I also want to thank our help from the National Association of State Department of Agriculture enumerators for their outstanding effort in collecting and providing quality statistics for Wisconsin. In addition, the Wisconsin Field Office has a dedicated staff that helped put this publication together. Everyone is committed to the work they do, and I am thankful for their dedication to Wisconsin agriculture.

I hope you find this information beneficial for your agricultural interests. Throughout the year, NASS releases many other reports and they are posted at www.nass.usda.gov. Please contact me anytime with your comments, questions, or requests for assistance.

Sincerely,

Greg A. Bussler
State Statistician

September 2021



State of Wisconsin
Governor Tony Evers

Department of Agriculture, Trade and Consumer Protection
Secretary-designee Randy Romanski

Greetings,

Thank you for choosing the 2021 Wisconsin Agricultural Statistics. This publication provides a detailed look at Wisconsin crops, livestock, and dairy at the state, district, and county level.

These statistics provide the foundation for all of us to tell Wisconsin agriculture's story. The state is recognized internationally for our safe, nutritious, and high-quality products. Wisconsin is a national leader in a variety of agricultural goods, including cheese, cranberries, snap beans, mink pelts, corn for silage, and more.

The production and processing of these agricultural products are possible due to the knowledge and commitment of our workforce. In Wisconsin, about one in nine people work in a job related to agriculture. Continued research and innovation allow the state to create value-added products enjoyed by customers around the world. Agriculture contributes \$104.8 billion annually to our state's economy.

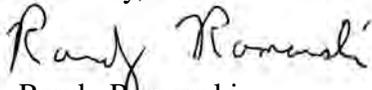
As the world continues to respond to the COVID-19 pandemic, the statistical information in this publication is valuable as government officials, policy makers, organizations, agribusinesses, and farmers make decisions for the future. Throughout the pandemic, Wisconsin's ability to pivot and meet consumer needs has been due to the diversity of our agriculture industry and strength across the food supply chain.

At the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP), we are proud to connect the dots across the industry. This includes responding to challenges as they arise and identifying opportunities to ensure food reaches those who are most in need. In 2021, Wisconsin agriculture was again able to come together to share information at events such as Farm Technology Days and celebrate success at fairs across the state.

I appreciate the work of the National Agricultural Statistics Service to assemble the information in this publication, and I am grateful for the farmers and agriculturalists to who contribute their input. I hope you keep the 2021 Wisconsin Agricultural Statistics as a reference throughout the year and look back to it often.

Thank you again for your interest and engagement in Wisconsin agriculture.

Sincerely,


Randy Romanski
Secretary-designee

Wisconsin - America's Dairyland

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Wisconsin Agriculture and Economics

Wisconsin cash receipts from farm marketings totaled \$11.3 billion in 2020, a 1 percent increase from 2019. Receipts from livestock, dairy, and poultry comprised 69 percent of the total marketings of all commodities, compared to 70 percent the previous year. Milk sales totaled \$5.76 billion in 2020, up 1 percent from the previous year's total. During the same period, sales of meat animals fell 9 percent and poultry and eggs sales rose 1 percent. Miscellaneous livestock sales fell 7 percent overall. This included a 7 percent decrease in cash receipts from trout, a 38 percent decrease in mink pelts and a 13 percent increase in honey.

In 2020, cash receipts for all Wisconsin crops totaled \$3.51 billion, up 6 percent from 2019. Sales of feed crops fell 10 percent from 2019. Corn sales were down 9 percent, to \$1.24 billion. Soybean receipts, at \$909 million, were up 39 percent. Total vegetable marketings rose 2 percent. Potato sales were up 4 percent while snap beans fell 16 percent. Sweet corn for processing receipts were up 30 percent while fresh market sweet corn receipts more than doubled. Fruit and nut receipts were up 12 percent overall, with tart cherries more than 5 times their 2019 receipts and cranberries up 10 percent.

Wisconsin farm production expenditures totaled \$10.8 billion in 2020, up 3 percent from the previous year. Feed expenses rose 6 percent to \$2.28 billion. This represented the largest single production expense for Wisconsin farmers in 2020, accounting for 21 percent of the total. Farm services were the

second largest expense, totaling \$1.48 billion and 14 percent of the total. Expenditures for farm services were up 1 percent from 2019. Expenditures fell 16 percent for fuels, 15 percent for livestock, poultry and related expenses, and 14 percent for labor. Spending on rent and interest also fell. Spending on trucks and autos was up 15 percent and other farm machinery was up 36 percent. All other expenditures rose over the previous year. Expenditures per Wisconsin farm averaged \$167,935 in 2020, 8 percent less than the national average of \$182,130 per farm.

In 2020, the number of agricultural land sales in Wisconsin without buildings or improvements increased by 29 percent to 1,159 transactions. The total acreage of these sales increased 24 percent to 61,564 acres. The average value of agricultural land without buildings or improvements sold rose by 12 percent to \$5,886 per acre. Of these sales, land continuing in agricultural uses averaged \$5,579 per acre, while land being diverted to other uses averaged \$12,458 per acre.



WISCONSIN'S RANK IN THE NATION'S AGRICULTURAL PRODUCTION, 2020

Commodity	Rank among states	Unit	Wisconsin (Thousands)	Percent of U.S.	United States (Thousands)	Leading state
DAIRY						
Milk production	2	Lbs.	30,730,000	13.8	223,220,000	California
Cheese, total (excluding cottage cheese)	1	Lbs.	3,389,763	25.6	13,253,423	Wisconsin
American	1	Lbs.	1,063,446	19.9	5,337,533	Wisconsin
Cheddar	1	Lbs.	743,236	19.4	3,828,150	Wisconsin
Hispanic	2	Lbs.	105,068	30.2	347,424	California
Italian	1	Lbs.	1,645,934	29.3	5,625,170	Wisconsin
Mozzarella	2	Lbs.	1,078,817	24.2	4,450,592	California
Dry whey, human food	1	Lbs.	280,226	30.1	932,242	Wisconsin
LIVESTOCK AND POULTRY						
Cattle and calves, all 1/	9	Head	3,450	3.7	93,595	Texas
Milk cows 1/	2	Head	1,260	13.3	9,440	California
Hogs and pigs, all 2/	18	Head	400	0.5	77,502	Iowa
Sheep 1/	17	Head	86	1.7	5,170	Texas
Milk goats 1/	1	Head	72	17.1	420	Wisconsin
Chickens 2/	14	Head	10,173	2.0	518,279	Iowa
Broilers	20	Head	55,000	0.6	9,222,100	Georgia
Eggs	15	Eggs	2,274,900	2.0	111,573,300	Iowa
Mink pelts	1	Pelts	404	28.8	1,405	Wisconsin
Honey	15	Lbs.	2,250	1.5	147,594	North Dakota
CROPS						
Corn for grain	10	Bu.	516,780	3.6	14,182,479	Iowa
Corn for silage	1	Tons	20,370	14.8	137,729	Wisconsin
Soybeans	15	Bu.	100,470	2.4	4,135,477	Illinois
Barley	18	Bu.	598	0.4	165,324	Idaho
Oats	3	Bu.	8,253	12.6	65,355	South Dakota
Wheat, winter	21	Bu.	8,625	0.7	1,171,022	Kansas
Forage (dry equivalent), all	2	Tons	7,242	8.8	82,294	Texas
Hay (dry only), all	15	Tons	3,483	2.7	126,812	Texas
Potatoes, all	3	Cwt.	27,800	6.7	414,248	Idaho
Cherries, tart	4	Lbs.	10,100	7.2	139,500	Michigan
Cranberries	1	Barrels	4,640	59.3	7,830	Wisconsin
Maple syrup	4	Gals.	265	6.4	4,111	Vermont
Carrots, all	3	Cwt.	1,820	5.8	31,145	California
Green peas, all	3	Cwt.	1,136	20.7	5,499	Washington
Pumpkins, all	12	Cwt.	158	1.1	13,752	Illinois
Snap beans, all	1	Cwt.	5,660	38.3	14,769	Wisconsin
Sweet corn, all	3	Cwt.	9,993	15.9	62,919	Washington

1/January 1, 2021 inventory. 2/December 1, 2020.

FARMS AND LAND IN FARMS, WISCONSIN, BY SALES CLASS, 2016-2020 1/

Year	\$1,000- \$9,999	\$10,000- \$99,999	\$100,000- \$249,999	\$250,000- \$499,999	\$500,000- \$999,999	\$1,000,000 & over	Total
NUMBER OF FARMS							
Number							
2016	29,200	20,200	7,000	4,400	2,700	2,200	65,700
2017	28,700	20,100	7,000	4,300	2,550	2,150	64,800
2018	28,800	20,100	6,900	4,300	2,550	2,150	64,800
2019	29,000	20,200	7,000	4,250	2,400	2,050	64,900
2020	28,700	20,100	6,900	4,250	2,400	2,050	64,400
LAND IN FARMS							
1,000 acres							
2016	1,900	2,900	2,100	2,000	1,900	3,600	14,400
2017	1,800	2,900	2,100	2,000	1,900	3,600	14,300
2018	1,800	2,900	2,100	2,000	1,900	3,600	14,300
2019	1,900	2,900	2,100	2,100	1,800	3,500	14,300
2020	1,900	2,900	2,100	2,100	1,800	3,500	14,300
AVERAGE FARM SIZE							
Acres							
2016	65	144	300	455	704	1,636	219
2017	63	144	300	465	745	1,674	221
2018	63	144	304	465	745	1,674	221
2019	66	144	300	494	750	1,707	220
2020	66	144	304	494	750	1,707	222

1/ A farm is defined as "any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year."

AGRICULTURAL CASH RENTS: WISCONSIN, 2017-2021

Year	Cropland rented for cash			Pasture rented for cash
	Irrigated	Non-irrigated	All	
Dollars per acre				
2017	243.00	133.00	139.00	40.00
2018	238.00	134.00	140.00	40.00
2019	237.00	137.00	142.00	40.00
2020	245.00	138.00	146.00	35.00
2021	237.00	133.00	138.00	37.00

AGRICULTURAL LAND VALUES: AVERAGE VALUE PER ACRE, WISCONSIN, 2017-2021 1/

Year	Farm real estate 2/	Cropland	Pasture
Dollars per acre			
2017	4,870	4,870	2,200
2018	4,900	4,740	2,260
2019	4,950	4,850	2,310
2020	4,850	4,770	2,250
2021	5,190	5,280	2,520

1/Value at which the land could be sold under current market conditions. 2/Value includes land and buildings.

FARM COMPUTER USAGE: WISCONSIN, 2021

Item	Percent
Own or use desktop computer	65
Own or use smart phone	67
Own or use a tablet or other portable wireless computer	26
With internet access	82
Purchase agricultural inputs over internet	28
Conduct agricultural marketing activities over internet	22
Use precision agriculture practices to manage crops or livestock	15

HIRED WORKERS: ANNUAL AVERAGE WAGE RATES, GREAT LAKES REGION, 2016-2020 1/ 2/

Year	All hired	Field	Field and livestock
Dollars per hour			
2016	13.30	13.17	12.75
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

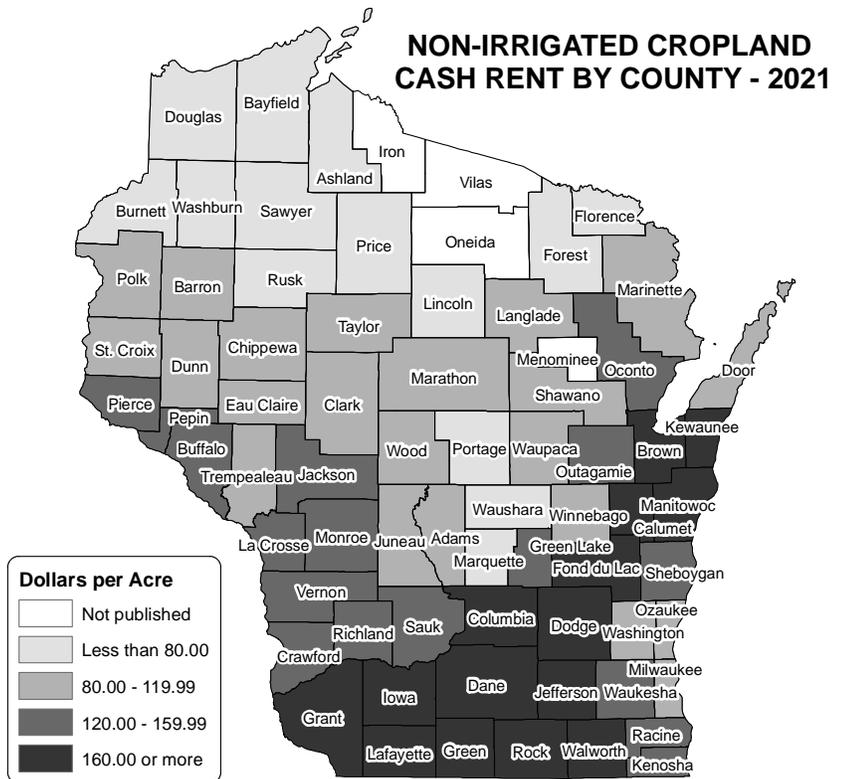
1/The annual average wage rates are averages of the published wage rates from each quarter's reference week weighted by the total hours worked during the week. 2/The Great Lakes Region consists of Wisconsin, Minnesota, and Michigan.

NON-IRRIGATED CROPLAND CASH RENT: VALUE, BY COUNTIES, WISCONSIN, 2020 & 2021 1/

County	2020	2021
Dollars per acre		
Adams	91.50	84.00
Ashland	32.50	27.50
Barron	89.00	84.50
Bayfield	23.50	20.50
Brown	183.00	190.00
Buffalo	122.00	123.00
Burnett	67.00	61.00
Calumet	177.00	176.00
Chippewa	98.00	106.00
Clark	110.00	105.00
Columbia	176.00	177.00
Crawford	129.00	124.00
Dane	182.00	180.00
Dodge	173.00	163.00
Door	107.00	104.00
Douglas	22.00	21.00
Dunn	101.00	111.00
Eau Claire	88.00	92.00
Florence	-	31.00
Fond du Lac	156.00	165.00
Forest	-	22.00
Grant	209.00	210.00
Green	198.00	183.00
Green Lake	160.00	152.00
Iowa	175.00	175.00
Iron	-	-
Jackson	127.00	137.00
Jefferson	176.00	168.00
Juneau	91.50	85.00
Kenosha	164.00	150.00
Kewaunee	183.00	178.00
La Crosse	139.00	136.00
Lafayette	217.00	214.00
Langlade	92.50	94.00
Lincoln	57.50	50.00
Manitowoc	166.00	171.00
Marathon	90.50	85.00
Marinette	92.00	100.00
Marquette	71.50	72.00
Menominee	-	-
Milwaukee	-	109.00
Monroe	124.00	128.00
Oconto	118.00	124.00
Oneida	-	-
Outagamie	142.00	145.00
Ozaukee	-	113.00
Pepin	135.00	137.00
Pierce	142.00	138.00
Polk	86.50	82.00
Portage	62.50	59.00
Price	34.50	30.00
Racine	134.00	140.00
Richland	116.00	120.00
Rock	195.00	179.00
Rusk	65.50	66.00

County	2020	2021
Dollars per acre		
Sauk	129.00	132.00
Sawyer	44.00	48.50
Shawano	108.00	107.00
Sheboygan	117.00	123.00
St Croix	108.00	118.00
Taylor	85.00	80.00
Trempealeau	99.00	110.00
Vernon	134.00	126.00
Vilas	-	-
Walworth	181.00	181.00
Washburn	57.00	57.50
Washington	119.00	119.00
Waukesha	136.00	127.00
Waupaca	89.50	90.50
Waushara	63.50	68.00
Winnebago	96.50	101.00
Wood	82.50	81.00
Other counties	(NA)	51.00
Wisconsin	138.00	133.00

1/ Some counties were not published to avoid disclosure of individual operations. Unpublished data is included in "Other counties." (NA) Not available



FARM PRODUCTION EXPENDITURES: WISCONSIN, 2017-2020

Expenditure - farm share	Total expenditures				Percent of production expenses			
	2017	2018	2019	2020	2017	2018	2019	2020
	Million dollars				Percent			
Total farm production expenditures 1/	11,425	10,050	10,550	10,815	100.0	100.0	100.0	100.0
Livestock, poultry & related expenses 2/	630	610	330	280	5.5	6.1	3.1	2.6
Feed	1,930	1,790	2,150	2,280	16.9	17.8	20.4	21.1
Farm services 3/	1,590	1,400	1,470	1,480	13.9	13.9	13.9	13.7
Rent 4/	580	560	590	580	5.1	5.6	5.6	5.4
Agricultural chemicals 5/	360	320	300	320	3.2	3.2	2.8	3.0
Fertilizer, lime & soil conditioners 5/	720	660	680	760	6.3	6.6	6.4	7.0
Interest	450	460	485	440	3.9	4.6	4.6	4.1
Taxes (real estate & property)	380	400	380	425	3.3	4.0	3.6	3.9
Labor	1,050	1,110	1,130	970	9.2	11.0	10.7	9.0
Fuel	370	395	380	320	3.2	3.9	3.6	3.0
Farm supplies & repairs 6/	790	700	730	820	6.9	7.0	6.9	7.6
Farm improvements & construction 7/	950	400	500	500	8.3	4.0	4.7	4.6
Tractors and self-propelled farm machinery	440	280	310	420	3.9	2.8	2.9	3.9
Other farm machinery	310	170	235	320	2.7	1.7	2.2	3.0
Seeds & plants 8/	700	720	760	760	6.1	7.2	7.2	7.0
Trucks & autos	150	50	100	115	1.3	0.5	0.9	1.1
Misc capital expenses 9/	25	25	20	25	0.2	0.2	0.2	0.2
	Average per farm 10/				Farms reporting 11/			
	2017	2018	2019	2020	2017	2018	2019	2020
	Dollars				Percent			
Total farm production expenditures 1/	176,312	155,093	162,558	167,935	100.0	100.0	100.0	100.0
Livestock, poultry & related expenses 2/	9,722	9,414	5,085	4,348	30.9	32.2	27.3	21.7
Feed	29,784	27,623	33,128	35,404	55.9	57.2	47.1	45.7
Farm services 3/	24,537	21,605	22,650	22,981	95.7	91.6	90.5	88.6
Rent 4/	8,951	8,642	9,091	9,006	33.9	31.7	34.7	40.2
Agricultural chemicals 5/	5,556	4,938	4,622	4,969	49.8	47.5	51.1	51.4
Fertilizer, lime & soil conditioners 5/	11,111	10,185	10,478	11,801	53.7	53.7	53.1	64.7
Interest	6,944	7,099	7,473	6,832	44.3	40.2	48.4	34.7
Taxes (real estate & property)	5,864	6,173	5,855	6,599	100.0	100.0	99.9	100.0
Labor	16,204	17,130	17,411	15,062	23.7	23.4	23.1	25.0
Fuel	5,710	6,096	5,855	4,969	85.0	80.1	84.8	78.7
Farm supplies & repairs 6/	12,191	10,802	11,248	12,733	86.0	79.8	85.2	82.3
Farm improvements & construction 7/	14,660	6,173	7,704	7,764	58.1	52.1	56.8	53.3
Tractors and self-propelled farm machinery	6,790	4,321	4,777	6,522	18.3	12.2	14.9	14.4
Other farm machinery	4,784	2,623	3,621	4,969	23.5	25.7	23.5	15.0
Seeds & plants 8/	10,802	11,111	11,710	11,801	55.4	56.2	68.0	63.9
Trucks & autos	2,315	772	1,541	1,786	14.7	8.9	14.0	9.9
Misc capital expenses 9/	386	386	308	388	6.3	7.3	5.0	5.5

1/Includes landlord and contractor share of farm production expenses. 2/Includes purchases and leasing of livestock and poultry. 3/Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, general and miscellaneous business expenses, and utilities. 4/Includes public and private grazing fees. 5/Includes material and application costs. 6/Includes bedding/litter, marketing containers, power farm-shop equipment, oils and lubricants, temporary fencing, miscellaneous non-capital equipment and supplies, repairs and maintenance of equipment not depreciated, and other small, non-capital equipment. 7/ Includes all expenditures related to new construction or repairs of buildings, fences, operator dwelling (if owned by operation), and any improvements to physical structures of the land. 8/Excludes bedding plants, nursery stock, and seed purchased for resale. Includes seed treatment. 9/Includes any capital expense not recorded in specific items on the questionnaires. 10/Total expenditures divided by total number of farms. Items may not sum to total due to rounding. 11/Number of farms reporting item divided by total number of farms.

FARM PRODUCTION EXPENDITURES: UNITED STATES 1/, 2017-2020

Expenditure - farm share	Total expenditures				Percent of production expenses			
	2017	2018	2019	2020	2017	2018	2019	2020
	Million dollars				Percent			
Total farm production expenditures 2/	357,800	354,000	357,800	366,200	100.0	100.0	100.0	100.0
Livestock, poultry & related expenses 3/	41,600	46,300	42,800	39,600	11.6	13.1	12.0	10.8
Feed	54,500	53,800	59,400	56,800	15.2	15.2	16.6	15.5
Farm services 4/	43,100	44,100	42,800	44,700	12.0	12.5	12.0	12.2
Rent 5/	29,700	28,800	29,700	30,100	8.3	8.1	8.3	8.2
Agricultural chemicals 6/	15,700	15,400	15,500	16,500	4.4	4.4	4.3	4.5
Fertilizer, lime & soil conditioners 6/	22,000	23,200	22,300	24,400	6.1	6.6	6.2	6.7
Interest	9,700	9,800	10,500	9,900	2.7	2.8	2.9	2.7
Taxes (real estate & property)	12,700	12,800	13,400	14,100	3.5	3.6	3.7	3.9
Labor	36,000	33,900	34,800	36,700	10.1	9.6	9.7	10.0
Fuel	11,900	12,300	12,300	11,100	3.3	3.5	3.4	3.0
Farm supplies & repairs 7/	18,000	17,200	17,600	19,400	5.0	4.9	4.9	5.3
Farm improvements & construction 8/	16,200	12,700	13,500	14,400	4.5	3.6	3.8	3.9
Tractors and self-propelled farm machinery	12,500	11,300	11,900	13,700	3.5	3.2	3.3	3.7
Other farm machinery	5,700	5,200	5,100	6,000	1.6	1.5	1.4	1.6
Seeds & plants 9/	22,500	21,900	21,200	23,000	6.3	6.2	5.9	6.3
Trucks & autos	5,400	4,610	4,430	5,100	1.5	1.3	1.2	1.4
Misc capital expenses 10/	600	690	570	700	0.2	0.2	0.2	0.2
	Average per farm 11/				Farms reporting 12/			
	2017	2018	2019	2020	2017	2018	2019	2020
	Dollars				Percent			
Total farm production expenditures 2/	175,935	175,169	177,564	182,130	100.0	100.0	100.0	100.0
Livestock, poultry & related expenses 3/	20,455	22,911	21,240	19,695	27.4	25.1	24.7	26.1
Feed	26,798	26,622	29,478	28,250	57.0	55.8	53.0	53.6
Farm services 4/	21,193	21,822	21,240	22,232	91.1	92.7	90.0	88.5
Rent 5/	14,604	14,251	14,739	14,970	26.1	27.3	28.0	27.7
Agricultural chemicals 6/	7,720	7,620	7,692	8,206	39.6	45.4	41.8	45.2
Fertilizer, lime & soil conditioners 6/	10,818	11,480	11,067	12,135	46.7	50.2	48.6	51.1
Interest	4,770	4,849	5,211	4,924	31.9	31.8	29.8	28.7
Taxes (real estate & property)	6,245	6,334	6,650	7,013	99.6	99.6	99.6	99.4
Labor	17,702	16,775	17,270	18,253	23.2	23.1	23.0	23.0
Fuel	5,851	6,086	6,104	5,521	84.1	84.6	81.5	81.3
Farm supplies & repairs 7/	8,851	8,511	8,734	9,649	80.8	81.6	77.8	78.5
Farm improvements & construction 8/	7,966	6,284	6,700	7,162	49.2	44.5	44.5	48.9
Tractors and self-propelled farm machinery	6,146	5,592	5,906	6,814	13.2	13.0	13.0	13.4
Other farm machinery	2,803	2,573	2,531	2,984	14.8	14.9	13.3	13.3
Seeds & plants 9/	11,064	10,837	10,521	11,439	37.2	38.4	37.2	38.3
Trucks & autos	2,655	2,281	2,198	2,536	13.7	12.2	11.0	11.2
Misc capital expenses 10/	295	341	283	348	4.7	4.8	4.3	4.6

1/ Excluding Alaska and Hawaii. 2/ Includes landlord and contractor share of farm production expenses. 3/ Includes purchases and leasing of livestock and poultry. 4/ Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, general and miscellaneous business expenses, and utilities. 5/ Includes public and private grazing fees. 6/ Includes material and application costs. 7/ Includes bedding/litter, marketing containers, power farm-shop equipment, oils and lubricants, temporary fencing, miscellaneous non-capital equipment and supplies, repairs and maintenance of equipment not depreciated, and other small, non-capital equipment. 8/ Includes all expenditures related to new construction or repairs of buildings, fences, operator dwelling (if owned by operation), and any improvements to physical structures of the land. 9/ Excludes bedding plants, nursery stock, and seed purchased for resale. Includes seed treatment. 10/ Includes any capital expense not recorded in specific items on the questionnaires. 11/ Total expenditures divided by total number of farms. Items may not sum to total due to rounding. 12/ Number of farms reporting item divided by total number of farms.

FARM INCOME INDICATIONS: WISCONSIN, 2016-2020 1/

Commodity	2016	2017	2018	2019	2020
	1,000 dollars				
Value of crop production	3,560,163	3,233,167	3,365,005	2,967,139	3,657,570
Crop cash receipts	3,572,887	3,490,845	3,589,634	3,319,814	3,506,160
Feed crops	1,396,351	1,410,534	1,587,319	1,508,889	1,364,720
Food grains	72,497	62,624	67,956	54,200	43,157
Fruits and nuts	203,242	184,547	156,787	163,578	183,727
Oil crops	983,902	889,951	876,156	655,184	909,264
Vegetables and melons	449,273	462,438	432,797	460,764	469,512
All other crops	467,622	480,751	468,619	477,198	535,780
Home consumption	2,635	6,086	5,883	6,854	3,767
Inventory adjustment 2/	-15,358	-263,764	-230,511	-359,529	147,643
Value of animals and products production	7,246,744	7,787,646	7,307,118	7,874,758	7,772,667
Animals and products cash receipts	7,163,569	7,827,608	7,340,192	7,848,713	7,747,604
Dairy products, Milk	5,014,800	5,444,480	5,002,800	5,702,980	5,759,775
Meat animals	1,737,302	1,968,757	1,875,008	1,772,785	1,619,703
Miscellaneous livestock	165,696	139,116	121,821	118,206	109,677
Poultry and eggs	245,772	275,255	340,563	254,742	258,448
Home consumption	14,730	17,587	18,395	18,195	19,177
Inventory adjustment 2/	68,445	-57,549	-51,469	7,850	5,887
Farm-related income	1,381,192	1,595,508	1,306,693	1,518,612	1,296,085
Forest products sold	28,885	29,760	33,512	23,468	15,578
Gross imputed rental value of farm dwellings	688,550	690,857	668,350	696,099	638,588
Machine hire and customwork	141,301	204,843	117,792	169,730	97,942
Other farm income	522,456	670,048	487,038	629,315	543,977
Total commodity insurance indemnities	84,169	167,244	133,072	294,650	204,976
Federal commodity insurance indemnities	42,648	80,491	91,266	242,057	173,495
Net cash rent received by operator landlords 3/	103,033	81,990	52,448	64,289	59,542
Value of agricultural sector production	12,188,098	12,616,321	11,978,816	12,360,510	12,726,322
Intermediate product expenses 4/	6,904,954	7,157,586	6,571,586	6,963,664	7,166,366
Farm origin	2,778,350	3,011,324	2,756,214	3,161,121	3,181,563
Feed purchases	1,950,000	1,930,000	1,790,000	2,150,000	2,280,000
Livestock and poultry purchases	178,350	381,324	246,214	251,121	141,563
Seed purchases	650,000	700,000	720,000	760,000	760,000
Manufactured inputs	1,642,279	1,706,381	1,611,481	1,588,626	1,633,191
Electricity	237,000	230,503	195,332	204,894	202,038
Fertilizer, lime, and soil conditioners	710,000	720,000	660,000	680,000	760,000
Pesticides	330,000	360,000	320,000	300,000	320,000
Fuel and oils	365,279	395,878	436,149	403,732	351,153
Other intermediate expenses 4/	2,484,326	2,439,880	2,203,891	2,213,917	2,351,612
Machine hire and custom work	210,167	209,187	165,642	192,217	226,294
Marketing, storage, and transportation	347,064	368,141	382,425	370,524	401,468
Repair and maintenance 4/	745,287	690,853	572,273	578,377	683,098
Miscellaneous expenses 4/	1,181,808	1,171,699	1,083,551	1,072,799	1,040,751
Total insurance premiums 5/	310,241	309,583	302,645	302,438	301,505
Federal commodity insurance premiums	76,944	81,227	77,412	89,327	92,262
Irrigation	821	672	2,241	2,342	1,105
Contract labor	22,903	34,138	23,320	48,193	35,359
Net government transactions	-112,004	-261,816	-111,767	106,465	1,128,151
Direct government payments	285,304	134,422	300,846	501,461	1,570,162
Property taxes and fees 4/	397,308	396,238	412,614	394,997	442,011
Motor vehicle registration and licensing fees	17,308	16,238	12,614	14,997	17,011
Gross value added	5,148,237	5,162,781	5,272,142	5,455,117	6,652,748
Capital consumption 4/	1,423,182	1,251,208	1,073,285	999,186	1,005,077
Net value added	3,725,056	3,911,573	4,198,858	4,455,931	5,647,671
Factor payments to stakeholders	2,092,064	2,069,247	2,117,562	2,170,621	1,928,883
Hired labor and non-cash employee compensation	1,047,097	1,015,862	1,086,680	1,081,807	934,641
Net rent paid to operator landlords	105,530	86,122	54,135	70,210	62,058
Net rent paid to nonoperator landlords	247,465	201,952	126,946	164,640	145,523
Total interest expenses 4/	691,972	765,310	849,802	853,964	786,662
Net farm income	1,632,991	1,842,326	2,081,295	2,285,310	3,718,789

1/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 operators' 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. 2/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. 3/ Share rent income is included in cash receipts. 4/ Including expenses associated with operator dwellings. 5/ Includes federal and private crop and livestock insurance premiums as well as casualty, hail, motor vehicle and all other insurance premiums. Source: Economic Research Service, USDA

CASH RECEIPTS FROM FARM MARKETINGS, BY COMMODITIES, WISCONSIN, 2016-2020 1/

Commodity	2016		2017		2018		2019		2020	
	1,000 dollars	% of total								
All commodities	10,736,456		11,318,453		10,929,825		11,168,526		11,253,764	
Animals and products	7,163,569	66.7	7,827,608	69.2	7,340,192	67.2	7,848,713	70.3	7,747,604	68.8
Meat animals	1,737,302	16.2	1,968,757	17.4	1,875,008	17.2	1,772,785	15.9	1,619,703	14.4
Cattle and calves	1,639,375	15.3	1,846,035	16.3	1,754,534	16.1	1,633,874	14.6	1,483,190	13.2
Hogs	97,927	0.9	122,722	1.1	120,474	1.1	138,911	1.2	136,513	1.2
Dairy products, Milk	5,014,800	46.7	5,444,480	48.1	5,002,800	45.8	5,702,980	51.1	5,759,775	51.2
Poultry and eggs	245,772	2.3	275,255	2.4	340,563	3.1	254,742	2.3	258,448	2.3
Broilers	108,602	1.0	122,944	1.1	127,899	1.2	110,905	1.0	82,308	0.7
Chicken eggs	79,493	0.7	108,619	1.0	176,103	1.6	104,750	0.9	132,154	1.2
Farm chickens	353	*	166	*	262	*	219	*	106	*
Turkeys	57,323	0.5	43,525	0.4	36,299	0.3	38,868	0.3	43,880	0.4
Misc. animals and products	165,696	1.5	139,116	1.2	121,821	1.1	118,206	1.1	109,677	1.0
Trout	1,558	*	1,694	*	1,493	*	1,525	*	1,424	*
Honey	8,939	0.1	8,370	0.1	6,770	0.1	6,486	0.1	7,335	0.1
Mohair	17	*	17	*	18	*	21	*	21	*
Other animals and products	154,944	1.4	128,820	1.1	113,342	1.0	109,986	1.0	100,724	0.9
Mink pelts	39,812	0.4	40,908	0.4	27,414	0.3	22,071	0.2	13,599	0.1
Wool	238	*	215	*	198	*	187	*	173	*
Crops	3,572,887	33.3	3,490,845	30.8	3,589,634	32.8	3,319,814	29.7	3,506,160	31.2
Food grains	72,497	0.7	62,624	0.6	67,956	0.6	54,200	0.5	43,157	0.4
Rye	5,731	0.1	6,864	0.1	8,379	0.1	6,570	0.1	4,334	*
Wheat	66,765	0.6	55,760	0.5	59,576	0.5	47,630	0.4	38,823	0.3
Feed crops	1,396,351	13.0	1,410,534	12.5	1,587,319	14.5	1,508,889	13.5	1,364,720	12.1
Barley	(NA)	(NA)	(NA)	(NA)	294	*	610	*	720	*
Corn	1,305,917	12.2	1,308,075	11.6	1,465,229	13.4	1,364,148	12.2	1,236,358	11.0
Hay	84,447	0.8	95,356	0.8	112,838	1.0	133,352	1.2	116,861	1.0
Oats	5,987	0.1	7,103	0.1	8,958	0.1	10,779	0.1	10,782	0.1
Oil crops	983,902	9.2	889,951	7.9	876,156	8.0	655,184	5.9	909,264	8.1
Soybeans	983,902	9.2	889,951	7.9	876,156	8.0	655,184	5.9	909,264	8.1
Vegetables and melons	449,273	4.2	462,438	4.1	432,797	4.0	460,764	4.1	469,512	4.2
Potatoes	298,905	2.8	310,834	2.7	283,795	2.6	294,772	2.6	305,476	2.7
Beans, Green lima, Processing	3,182	*	3,684	*	3,196	*	(NA)	(NA)	(NA)	(NA)
Beans, Snap 2/	45,634	0.4	40,115	0.4	47,877	0.4	42,254	0.4	35,291	0.3
Cabbage 3/	13,535	0.1	21,569	0.2	14,912	0.1	20,976	0.2	34,376	0.3
Carrots 2/	10,588	0.1	8,820	0.1	7,092	0.1	28,874	0.3	8,483	0.1
Corn, Sweet	48,958	0.5	44,863	0.4	40,181	0.4	33,470	0.3	49,507	0.4
Corn, Sweet, Fresh	15,960	0.1	12,499	0.1	8,737	0.1	7,655	0.1	15,942	0.1
Corn, Sweet, Processing	32,998	0.3	32,364	0.3	31,444	0.3	25,815	0.2	33,565	0.3
Cucumbers 2/	9,210	0.1	7,168	0.1	21,141	0.2	16,277	0.1	18,915	0.2
Pumpkins	6,254	(NA)	11,023	0.1	2,791	*	12,869	0.1	3,243	*
Peas, Green 2/	13,007	0.1	14,363	0.1	11,811	0.1	11,272	0.1	14,221	0.1
Fruits and nuts	203,242	1.9	184,547	1.6	156,787	1.4	163,578	1.5	183,727	1.6
Apples	21,819	0.2	26,297	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cherries, Tart	4,076	*	2,109	*	1,928	*	934	*	4,993	*
Cranberries	177,347	1.7	156,141	1.4	154,859	1.4	162,644	1.5	178,734	1.6
All other crops	467,622	4.4	480,751	4.2	468,619	4.3	477,198	4.3	535,780	4.8
Maple products	7,873	0.1	6,500	0.1	7,290	0.1	8,775	0.1	7,712	0.1
Peppermint oil	4,407	*	3,774	*	3,565	*	(NA)	(NA)	(NA)	(NA)
Floriculture	NA	(NA)	NA	(NA)	86,001	0.8	86,175	0.8	131,954	1.2
Mushrooms	2,693	*	2,738	*	2,527	*	(NA)	(NA)	(NA)	(NA)
Miscellaneous crops	452,649	4.2	467,739	4.1	369,236	3.4	382,248	3.4	396,114	3.5

* = Less than .05 percent of all commodities. (NA) = Not available. 1/USDA estimates and publishes individual cash receipt values only for major commodities. The U.S. receipts for individual commodities may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous." The degree of estimation error in some of the minor commodities can be substantial. Percents of total may not add due to machine rounding. 2/Estimates for 2016 and earlier include processing only. Estimates for 2017 and later include both fresh market and processing. 3/Estimates for 2016 and earlier include fresh market only. Estimates for 2017 and later include both processing and fresh market. Source: Economic Research Service, USDA.

AGRICULTURAL LAND SALES: WISCONSIN, 2016-2020 1/

Year	Agricultural land continuing in agricultural use			Agricultural land being diverted to other uses			Total of all agricultural land		
	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre
LAND WITHOUT BUILDINGS AND IMPROVEMENTS									
2016	817	45,413	5,221	61	1,720	7,558	878	47,133	5,306
2017	807	42,621	4,960	94	4,222	10,794	901	46,843	5,485
2018	964	51,421	5,587	106	3,252	13,280	1,070	54,673	6,045
2019	882	48,840	5,269	18	626	5,942	900	49,466	5,278
2020	1,072	58,810	5,579	87	2,754	12,458	1,159	61,564	5,886

1/ Agricultural land sales figures reported in these tables include only averages of 'arm's length' transactions classified as predominately for agricultural use reported to and reviewed by the Wisconsin Department of Revenue, Bureau of Equalization. Sales made under other than normal market conditions (such as family sales or foreclosures) are not included in this report. Sales are reviewed by the Wisconsin Department of Revenue, Bureau of Equalization. With each sale of a parcel of land, the buyer is required to file a Wisconsin Real Estate Transfer Return, documenting the parcel size, sale price, present use, and intended use of the property. State appraisers inspect the site and verify the transfer return. The sales data in this report are a summary of the Wisconsin Real Estate Transfer Returns. Specifics on land sales transactions within a certain county can be obtained by contacting the Department of Revenue directly or at www.revenue.wi.gov/retr. This report was compiled in cooperation with the Wisconsin Department of Revenue, Bureau of Equalization.

AGRICULTURAL LAND SALES: LAND WITHOUT BUILDINGS AND IMPROVEMENTS, WISCONSIN, 2020 1/

County	Agricultural land continuing in agricultural use			Agricultural land being diverted to other uses			Total of all agricultural land			Range for land continuing in ag use	
	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre	Lowest price	Highest price
Adams	6	154	3,314	2	39	2,879	8	193	3,226	2,500	4,200
Ashland	4	130	1,212	1	13	577	5	143	1,155	1,051	1,750
Barron	22	1,228	3,018	-	-	-	22	1,228	3,018	840	4,500
Bayfield	7	256	1,320	-	-	-	7	256	1,320	975	1,610
Brown	23	977	9,503	7	279	26,762	30	1,256	13,337	1,375	20,600
Buffalo	19	1,041	3,940	2	76	3,874	21	1,117	3,935	2,200	5,950
Burnett	2	42	1,874	-	-	-	2	42	1,874	1,557	2,507
Calumet	14	740	9,046	2	64	19,473	16	804	9,876	5,300	11,351
Chippewa	28	1,305	3,523	2	39	3,128	30	1,344	3,512	2,000	7,500
Clark	22	1,228	4,007	-	-	-	22	1,228	4,007	1,800	6,000
Columbia	18	1,155	7,810	4	86	12,838	22	1,241	8,158	4,376	11,500
Crawford	14	524	3,731	-	-	-	14	524	3,731	2,750	4,300
Dane	33	1,813	9,081	5	202	22,084	38	2,015	10,385	4,491	18,367
Dodge	23	1,646	7,328	1	64	12,359	24	1,710	7,516	5,851	10,352
Door	17	893	3,996	-	-	-	17	893	3,996	2,875	6,275
Douglas	1	19	1,026	-	-	-	1	19	1,026	1,026	1,026
Dunn	25	1,659	3,728	2	50	3,036	27	1,709	3,707	1,480	8,350
Eau Claire	20	1,029	4,063	-	-	-	20	1,029	4,063	3,536	5,059
Florence	1	26	2,000	-	-	-	1	26	2,000	2,000	2,000
Fond du Lac	25	1,028	6,168	5	252	12,121	30	1,280	7,340	4,450	8,100
Forest	2	58	1,478	-	-	-	2	58	1,478	1,400	1,650
Grant	31	2,065	5,476	-	-	-	31	2,065	5,476	3,000	15,000
Green	32	2,083	6,237	-	-	-	32	2,083	6,237	3,650	8,730
Green Lake	12	890	9,587	1	14	9,600	13	904	9,588	4,051	15,050
Iowa	28	1,676	6,386	-	-	-	28	1,676	6,386	2,900	9,200
Iron	-	-	-	-	-	-	-	-	-	-	-
Jackson	16	1,041	2,930	-	-	-	16	1,041	2,930	2,150	4,120
Jefferson	15	803	7,525	1	27	4,500	16	830	7,427	4,404	15,250
Juneau	12	548	3,839	-	-	-	12	548	3,839	2,000	5,900
Kenosha	3	292	8,709	4	119	14,677	7	411	10,437	7,200	9,564
Kewaunee	14	650	5,369	-	-	-	14	650	5,369	3,800	7,626

AGRICULTURAL LAND SALES: LAND WITHOUT BUILDINGS AND IMPROVEMENTS, WISCONSIN, 2020 1/

County	Agricultural land continuing in agricultural use			Agricultural land being diverted to other uses			Total of all agricultural land			Range for land continuing in ag use	
	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre	Number of transactions	Acres sold	Dollars per acre	Lowest price	Highest price
La Crosse	12	524	5,868	-	-	-	12	524	5,868	3,464	9,400
Lafayette	24	2,100	7,644	-	-	-	24	2,100	7,644	4,150	10,480
Langlade	6	254	3,266	-	-	-	6	254	3,266	1,750	4,300
Lincoln	11	354	2,092	2	26	2,235	13	380	2,102	1,750	2,550
Manitowoc	28	1,152	6,269	-	-	-	28	1,152	6,269	4,550	8,700
Marathon	40	2,126	3,852	4	66	4,908	44	2,192	3,884	2,100	6,450
Marinette	3	128	4,157	-	-	-	3	128	4,157	3,719	5,500
Marquette	8	257	3,807	-	-	-	8	257	3,807	2,052	5,000
Milwaukee	-	-	-	-	-	-	-	-	-	-	-
Monroe	25	1,266	3,375	3	65	2,794	28	1,331	3,346	2,700	4,250
Oconto	15	731	4,019	-	-	-	15	731	4,019	2,900	6,500
Oneida	-	-	-	-	-	-	-	-	-	-	-
Outagamie	23	1,441	7,266	7	217	21,518	30	1,658	9,132	4,500	16,500
Ozaukee	8	248	8,351	1	19	10,200	9	267	8,482	4,500	13,000
Pepin	8	313	4,201	-	-	-	8	313	4,201	3,627	5,252
Pierce	16	832	4,819	3	149	5,530	19	981	4,927	2,000	12,700
Polk	20	1,152	3,299	6	210	2,568	26	1,362	3,186	1,300	5,800
Portage	8	463	3,539	1	17	3,500	9	480	3,537	2,300	5,000
Price	4	283	1,045	-	-	-	4	283	1,045	480	2,080
Racine	7	331	9,403	4	182	7,883	11	513	8,864	8,140	12,088
Richland	22	798	3,774	-	-	-	22	798	3,774	2,400	4,600
Rock	26	2,146	8,038	2	50	18,220	28	2,196	8,270	4,050	13,000
Rusk	7	348	1,842	1	20	1,500	8	368	1,824	1,029	2,267
Sauk	23	1,698	4,367	1	38	12,132	24	1,736	4,537	3,325	6,950
Sawyer	2	40	1,275	1	4	2,400	3	44	1,377	1,231	1,580
Shawano	13	857	5,788	-	-	-	13	857	5,788	3,800	7,361
Sheboygan	23	745	6,680	-	-	-	23	745	6,680	4,900	8,000
St. Croix	36	2,063	4,751	2	56	4,111	38	2,119	4,734	2,052	10,400
Taylor	11	672	2,730	1	3	2,000	12	675	2,727	1,100	3,750
Trempealeau	14	731	3,600	-	-	-	14	731	3,600	3,129	4,170
Vernon	31	1,329	3,949	1	40	19,640	32	1,369	4,408	2,500	5,900
Vilas	-	-	-	-	-	-	-	-	-	-	-
Walworth	33	2,766	8,284	2	80	14,355	35	2,846	8,455	5,525	12,607
Washburn	3	72	2,007	-	-	-	3	72	2,007	1,975	2,087
Washington	19	672	9,212	2	35	12,331	21	707	9,366	5,700	17,129
Waukesha	7	303	14,756	1	30	19,297	8	333	15,165	12,891	24,888
Waupaca	14	788	4,002	-	-	-	14	788	4,002	3,000	5,500
Waushara	11	355	4,184	-	-	-	11	355	4,184	2,400	5,701
Winnebago	11	556	5,367	3	123	5,038	14	679	5,307	4,019	8,650
Wood	11	917	2,496	-	-	-	11	917	2,496	750	5,500
Wisconsin	1,072	58,810	5,579	87	2,754	12,458	1,159	61,564	5,886	480	24,888

1/ Agricultural land sales figures reported in these tables include only averages of 'arm's length' transactions classified as predominately for agricultural use reported to and reviewed by the Wisconsin Department of Revenue, Bureau of Equalization. Sales made under other than normal market conditions (such as family sales or foreclosures) are not included in this report. Sales are reviewed by the Wisconsin Department of Revenue, Bureau of Equalization. With each sale of a parcel of land, the buyer is required to file a Wisconsin Real Estate Transfer Return, documenting the parcel size, sale price, present use, and intended use of the property. State appraisers inspect the site and verify the transfer return. The sales data in this report are a summary of the Wisconsin Real Estate Transfer Returns. Specifics on land sales transactions within a certain county can be obtained by contacting the Department of Revenue directly or at www.revenue.wi.gov/retr. This report was compiled in cooperation with the Wisconsin Department of Revenue, Bureau of Equalization.

Crops

Above normal temperatures and low snow cover in March allowed farmers to harvest crops left in fields at the end of the very slow 2019 harvest season. Topsoil moisture was rated 38% surplus on April 5, 2020 compared to 45% surplus on April 7, 2019. Below normal precipitation in April lowered soil moistures quickly, allowing planting to start in line with the 5-year average and accelerate. Spring fieldwork progressed ahead of the 5-year average through May and was three to four weeks ahead of planting compared to 2019. Crop emergence, however, was slowed by below normal temperatures, progressing only slightly ahead of the average. Overwintered crops were slow to break dormancy though reporters noted this may have spared crops from damage due to late frosts. Temperatures and precipitation were both above normal in June and July. Dry, sunny periods alternated with soaking rains, supporting crop growth while allowing plenty of days suitable for fieldwork. Short soil moisture conditions in August and September facilitated haying and small grains harvest but stressed crops in some areas. Topsoil moistures were 43% short to very short on August 23, the driest rating of the season. Below normal temperatures during September pushed crops toward maturity. Northern Wisconsin saw the first frost of the year during the week ending September 13 while the rest of the state had a first frost during the week ending October 4. Conditions in October and November swung between clear, warm spells and cold but brief storm systems. Fieldwork was interrupted by snow and heavy rain in some areas but resumed quickly in most cases. There were lots of days suitable for fieldwork between these precipitation events, allowing harvest to progress ahead of average. Warm, sunny days with adequate soil moisture left fall plantings and perennial crops in good shape to overwinter. Little to no frozen soil allowed fall tillage and manure spreading to continue through the end of the month. Fall tillage was 84% complete on November 29, compared to 43% complete the previous year and a 5-year average of 73%. Many farmers were able to complete fall fieldwork and store their equipment before the end of November. Overall, this season was excellent for crop progress and condition, especially in contrast to the extremely delayed progress of 2019.

The average temperature for June through September was 66.1 degrees, compared to 65.6 degrees in 2019 and a normal of 64.9 degrees. April, May and September had below normal temperatures while June, July and August had above normal temperatures. March was 3.8 degrees above normal. October was 5.3 degrees below normal and November was 5.6 degrees above normal.

The statewide precipitation total for April through September was 23.34 inches, compared to 29.09 inches the previous year and a normal of 22.43 inches. April, August and September had below normal precipitation while May, June and July had above normal precipitation. July precipitation was 1.53 inches above normal. All other months this growing season had departures from normal of less than one inch.

Corn planted for all purposes totaled 4.00 million acres in 2020, up 200,000 acres from the previous year. Area harvested for grain was 2.97 million acres, 300,000 acres above 2019. Grain yield rose to 174 bushels per acre, up 8 bushels per acre from the previous year. Corn for grain production was 517 million bushels, 17 percent above 2019. Producers harvested 970,000

acres of corn for silage, a decrease of 70,000 acres from 2019. Silage yields rose 3.5 tons per acre to 21.0 tons per acre. Total silage production was 20.4 million tons, up 12 percent from the previous year.

Soybean planted acreage rose 14 percent to 2.00 million acres. Harvested acres rose 280,000 to 1.97 million acres statewide. The average yield for soybeans in Wisconsin was 51.0 bushels per acre, 4.0 bushels per acre more than the previous year. Total production jumped 26 percent to 100 million bushels.

Wisconsin produced 8.25 million bushels of oats in 2020, a 27 percent increase from 2019. Harvested acres rose 9 percent to 131,000 and yields were up 17 percent to 63.0 bushels per acre.

There were 160,000 acres of winter wheat planted in 2020, down 18 percent from 2019. Acres harvested fell 25,000 acres to 125,000 acres, but yields rose 5 bushels per acre. Production decreased 10 percent to 8.63 million bushels.

As of June 14, 2020 winter freeze damage to alfalfa was rated 2% severe, 5% moderate and 34% light. There was reportedly no damage to the remaining 59% of alfalfa, 19 percentage points more than the previous year. Reporters noted hay stands' extended dormancy may have helped reduce damage from late frosts. This extended dormancy also delayed hay harvest. The first cutting was only 11% harvested on May 31, well below the 5-year average of 32%. Nearly 40% of the first cutting was harvested in the next week, however, and first cutting hay was completed about a week ahead of average. This pattern of a delayed start, rapid progress and early finish persisted across every hay cutting this season. Farmers were able to bale and store plenty of dry hay this year thanks to ideal haying conditions in late summer and abundant days suitable for fieldwork. Hay condition averaged 71% good to excellent compared to 49% good to excellent in 2019.

In 2020, potato acres planted were down 1,000, while harvested acres were down 500 to 69,500 acres. The average yield was down 10 cwt per acre resulting in an overall production decrease of 3 percent to 27.8 thousand cwt.

Wisconsin remained the top producer in the nation for snap beans, contributing 38 percent of the national production in 2020. The state also ranked third for total production of carrots, green peas and sweet corn.

There were 20,800 acres of cranberries harvested in 2020, the same as the previous year. Yields were down 1 percent to 223.0 barrels per acre, however, causing total production to decline 1 percent to 4.64 million barrels. Wisconsin remained the top cranberry producing state, with 59 percent of the national production. Tart cherry production was up 11 percent to 10.1 million pounds. Tart cherry bearing acres fell from 1,600 acres in 2019 to 1,500 acres in 2020.

CROP RECORDS IN WISCONSIN AGRICULTURE

Commodity	Unit	2020	Record high		Record low		Year estimate started
			Quantity	Year 1/	Quantity	Year 1/	
Corn for grain							
Harvested	Acres	2,970,000	3,500,000	1981	478,000	1927	1866
Yield	Bu.	174.0	178.0	2016	21.0	1883	1866
Production	Bu.	516,780,000	573,160,000	2016	13,862,000	1927	1866
Corn for silage							
Harvested	Acres	970,000	1,450,000	1988	570,000	1991	1919
Yield	Tons	21.0	21.0	2020	4.2	1936	1919
Production	Tons	20,370,000	20,370,000	2020	5,085,000	1920	1919
Soybeans							
Harvested	Acres	1,970,000	2,160,000	2018	1,000	1927	1924
Yield	Bu.	51.0	55.0	2016	9.0	1925	1924
Production	Bu.	100,470,000	107,250,000	2016	10,000	1927	1924
Barley							
Harvested	Acres	13,000	929,000	1935	8,000	2019	1866
Yield	Bu.	46.0	64.0	2000	20.5	1936	1866
Production	Bu.	598,000	25,548,000	1935	368,000	2019	1866
Oats							
Harvested	Acres	131,000	2,987,000	1945	85,000	2017	1866
Yield	Bu.	63.0	72.0	2015	22.0	1907	1866
Production	Bu.	8,253,000	156,221,000	1958	5,015,000	2017	1866
Wheat, all							
Harvested	Acres	125,000	2,050,000	1878	27,000	1973	1866
Yield	Bu.	69.0	79.0	2016	8.0	1876	1866
Production	Bu.	8,625,000	26,250,000	1873	890,000	1973	1866
Forage, all (dry equivalent)							
Harvested	Acres	2,360,000	4,400,000	1989	2,190,000	2017	1981
Yield	Tons	3.07	4.91	1986	2.19	1988	1981
Production	Tons	7,242,000	18,402,000	1986	6,135,000	2019	1981
Hay, all (dry only)							
Harvested	Acres	1,370,000	4,263,000	1944	1,300,000	2019	1909
Yield	Tons	2.54	3.49	1982	0.94	1934	1909
Production	Tons	3,483,000	12,770,000	1984	2,784,000	2019	1909
Potatoes, all							
Harvested	Acres	69,500	325,000	1922	45,500	1972	1866
Yield	Cwt.	400.0	460.0	2012	25.8	1894	1866
Production	Cwt.	27,800,000	34,000,000	1999	2,306,000	1870	1866
Cranberries							
Harvested	Acres	20,800	21,100	2016	1,200	1900	1900
Yield	Barrels	223.0	288.2	2016	7.5	1908	1900
Production	Barrels	4,640,000	6,130,000	2016	12,000	1908	1900
Sweet corn, processing							
Production	Tons	478,141	1,001,750	1994	5,500	1932	1918
Green peas, processing							
Production	Tons	56,274	177,550	1979	35,620	1932	1918
Snap beans, processing							
Production	Tons	272,529	365,934	2016	1,900	1921	1918
Maple syrup							
Production	Gal.	265,000	270,000	2019	50,000	2005	1992

1/These are the latest years that records were achieved. In some cases, these records were equaled in several earlier years.

MONTHLY AND ANNUAL PRECIPITATION: BY SELECTED STATIONS AND DISTRICTS, WISCONSIN, 2020

Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	
													Total	Change from station normal 1/
Inches														
NORTHWEST														
Bloomer	0.89	0.38	2.45	2.20	2.51	7.35	5.64	2.85	1.47	2.07	1.17	0.72	29.70	-1.85
Gordon	1.22	0.15	1.62	2.43	3.22	1.96	7.68	7.75	1.13	2.52	1.35	1.03	32.06	0.15
Spooner	0.79	0.21	1.85	3.17	3.12	3.04	6.05	2.61	2.15	1.69	1.27	0.85	26.80	-4.20
District	1.06	0.30	1.95	2.44	3.11	3.75	6.35	4.25	1.76	2.21	1.42	0.88	29.48	-2.36
Normal	0.95	0.88	1.64	2.65	3.36	4.09	4.08	4.01	3.97	3.06	1.95	1.20	31.84	
NORTH CENTRAL														
Eagle River	1.72	0.52	2.54	3.30	0.98	5.34	10.37	3.01	6.60	3.17	2.22	0.84	40.61	10.96
Rhineland	1.68	0.36	3.12	2.86	1.59	5.13	8.77	2.19	5.17	2.74	2.30	0.60	36.51	5.11
Wausau	1.66	0.62	3.27	2.63	3.02	7.46	6.20	1.86	2.48	2.73	2.63	0.48	35.04	2.63
District	1.41	0.46	2.69	2.64	2.69	4.60	6.40	3.20	3.18	2.48	2.01	0.64	32.40	0.30
Normal	1.09	0.94	1.68	2.62	3.39	4.04	3.95	3.81	4.01	3.10	2.08	1.37	32.10	
NORTHEAST														
Florence	1.96	0.40	2.88	2.89	2.58	4.57	6.70	4.29	3.61	2.55	2.45	0.58	35.46	6.33
Marinette	1.80	1.13	3.75	2.17	5.79	3.45	7.58	2.63	1.79	2.87	2.85	0.54	36.35	3.76
Shawano	1.75	0.92	4.25	3.13	5.84	2.90	6.02	1.47	3.14	3.48	3.13	0.66	36.69	5.36
District	1.68	0.82	3.53	2.63	3.95	5.04	7.23	2.81	3.45	3.02	2.55	0.56	37.27	6.56
Normal	1.12	0.96	1.72	2.57	3.23	3.77	3.68	3.46	3.61	3.03	2.13	1.43	30.71	
WEST CENTRAL														
La Crosse	1.01	1.05	2.93	1.63	3.28	7.31	1.72	3.90	3.62	1.61	2.40	0.36	30.82	-2.24
Menomonie	0.80	0.35	2.86	2.41	4.85	8.27	4.40	2.23	1.39	2.05	1.04	0.98	31.63	0.38
Mondovi	1.04	0.57	3.15	2.10	3.15	6.22	3.22	3.88	1.60	2.60	2.04	0.29	29.86	-4.83
District	1.00	0.66	2.73	1.89	4.71	6.61	3.70	3.23	2.52	2.35	2.01	0.52	31.93	-1.51
Normal	0.95	0.90	1.81	3.13	3.78	4.44	4.25	4.49	3.87	2.56	2.06	1.22	33.44	
CENTRAL														
Marshfield	1.02	0.59	3.36	1.69	4.16	4.48	3.65	3.79	2.39	2.78	2.26	0.37	30.54	-2.18
Montello	1.35	1.16	4.01	1.75	5.79	5.64	5.11	4.16	2.51	6.58	2.50	0.68	41.24	6.77
Waupaca	1.14	1.01	3.75	1.79	6.20	5.31	3.21	1.08	3.89	4.41	2.77	0.59	35.15	1.66
District	1.16	1.00	3.81	1.80	4.41	5.65	4.01	3.60	3.15	3.72	2.44	0.48	35.23	2.82
Normal	1.01	1.00	1.76	3.00	3.60	4.35	4.04	4.03	3.61	2.54	2.12	1.34	32.41	
EAST CENTRAL														
Green Bay	1.62	1.04	4.36	1.68	5.74	4.21	3.17	2.32	2.36	4.43	2.37	0.71	34.01	4.49
Oshkosh	1.51	1.03	4.20	1.54	6.20	4.35	5.72	3.35	1.73	6.35	1.95	0.58	38.51	6.92
Sturgeon Bay	1.60	1.23	4.13	2.94	6.19	4.76	4.11	3.62	2.13	3.80	2.21	0.54	37.26	5.32
District	1.46	0.91	3.85	1.94	5.20	4.95	6.06	3.18	2.51	4.72	2.47	0.62	37.87	6.58
Normal	1.27	1.12	1.78	2.86	3.26	3.87	3.67	3.59	3.38	2.69	2.27	1.53	31.29	
SOUTHWEST														
Baraboo	1.17	0.96	3.85	1.54	3.77	4.32	7.86	4.78	4.25	5.32	2.92	0.83	41.57	5.47
Lancaster	1.34	0.92	4.32	1.28	5.48	7.79	5.15	3.72	7.34	3.68	2.13	1.10	44.25	8.88
Viroqua	1.06	0.96	3.29	1.63	2.49	9.22	4.17	1.31	5.92	2.54	2.52	0.56	35.67	1.14
District	1.18	0.87	3.67	1.58	4.19	6.32	4.84	2.27	5.84	3.78	2.33	0.87	37.74	2.24
Normal	1.10	1.15	2.00	3.56	4.02	4.83	4.44	4.52	3.46	2.56	2.36	1.50	35.50	
SOUTH CENTRAL														
Brodhead	1.98	1.25	3.21	3.37	4.70	3.66	4.33	4.00	5.28	2.40	1.57	2.75	38.50	1.75
Madison	1.74	0.94	3.47	2.04	5.42	5.07	7.59	2.88	3.41	3.38	1.85	1.13	38.92	4.44
Portage	1.19	1.05	4.41	1.97	4.42	3.23	6.39	8.73	3.69	4.33	2.58	0.66	42.65	6.51
Division	1.66	0.95	3.10	2.21	4.87	4.55	5.24	3.23	4.26	3.31	1.93	1.31	36.62	1.75
Normal	1.23	1.31	2.02	3.37	3.71	4.63	4.09	4.18	3.50	2.69	2.43	1.70	34.87	
SOUTHEAST														
Hartford	1.64	1.14	2.94	1.94	3.75	4.47	3.75	4.78	3.27	3.00	1.84	1.31	33.83	0.94
Kenosha	2.87	0.47	3.73	5.77	6.31	3.52	3.74	6.08	3.45	2.62	1.65	2.06	42.27	6.13
Milwaukee	2.07	0.91	3.67	3.88	5.17	2.94	4.34	8.55	2.62	3.00	1.86	2.15	41.16	6.40
District	2.03	0.82	3.60	3.43	4.90	3.59	4.61	4.05	3.24	2.91	1.91	1.67	36.76	2.46
Normal	1.47	1.41	1.98	3.42	3.61	4.04	3.78	4.02	3.42	2.74	2.54	1.86	34.30	
STATE	1.34	0.69	3.04	2.27	3.97	5.00	5.55	3.33	3.17	3.00	2.06	0.77	34.19	1.49
Normal	1.09	1.02	1.79	2.93	3.53	4.21	4.02	4.01	3.73	2.82	2.16	1.40	32.70	

1/ Normal 1981-2010. Source: Wisconsin State Climatology Office.

**AVERAGE MONTHLY AND ANNUAL TEMPERATURE: BY SELECTED STATIONS AND DISTRICTS,
WISCONSIN, 2020**

Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	
													Average	Change from station normal 1/
Degrees F.														
NORTHWEST														
Bloomer	17.5	15.8	32.9	40.6	55.5	67.6	72.7	69.4	57.6	40.1	36.9	22.6	44.1	0.5
Gordon	16.4	13.4	29.5	38.6	53.8	65.4	70.7	67.3	54.2	37.6	33.1	19.0	41.6	0.6
Spooner	17.8	15.5	31.5	40.0	54.8	66.9	71.2	68.8	55.8	38.9	35.8	20.5	43.1	0.6
District	18.2	16.2	32.0	39.3	53.3	65.6	70.5	67.3	55.6	38.7	35.5	21.5	42.8	1.3
Normal	11.6	16.6	28.3	42.4	54.1	63.2	68.0	65.9	57.1	44.7	30.4	16.3	41.6	
NORTH CENTRAL														
Eagle River	19.3	14.4	29.7	35.8	50.9	62.7	68.0	63.6	52.7	36.2	34.8	21.2	40.8	-1.0
Rhineland	17.8	14.4	29.7	35.7	51.5	63.1	68.9	64.9	53.9	37.2	35.5	20.9	41.1	-0.6
Wausau	21.2	17.8	33.4	40.4	54.1	66.8	72.0	68.6	56.9	40.5	37.4	24.1	44.4	0.9
District	18.8	15.8	31.1	37.8	52.1	64.2	69.4	65.8	54.5	38.0	35.6	21.6	42.1	0.9
Normal	12.3	16.7	27.5	41.6	53.4	62.5	66.8	64.9	56.4	44.1	30.6	16.9	41.1	
NORTHEAST														
Florence	18.2	13.4	29.4	35.0	50.6	62.5	68.7	65.2	53.7	37.2	35.7	20.2	40.8	0.5
Marinette	25.2	21.0	33.1	38.8	52.0	66.3	73.4	70.0	59.0	43.7	41.0	27.8	45.9	1.2
Shawano	22.4	18.5	33.4	40.2	54.5	66.6	72.9	69.7	57.9	41.7	38.9	24.8	45.1	1.3
District	21.5	17.9	32.3	38.0	52.2	64.2	70.4	66.6	55.5	39.6	37.4	23.8	43.3	1.3
Normal	14.1	18.2	28.4	42.0	53.4	62.9	67.2	65.4	57.0	44.8	32.0	18.9	42.0	
WEST CENTRAL														
La Crosse	24.0	22.2	40.0	47.0	59.5	72.8	77.1	74.2	62.4	46.0	41.8	27.6	49.6	2.1
Menomonie	19.7	19.3	35.6	42.5	56.8	69.2	72.6	69.8	58.3	40.8	38.3	23.5	45.5	1.5
Mondovi	22.1	22.1	38.9	45.1	58.8	72.0	75.4	72.3	61.2	43.3	40.1	26.1	48.1	3.1
District	20.3	19.1	36.0	42.6	56.2	68.6	73.2	69.9	58.6	41.7	38.8	24.2	45.8	1.4
Normal	14.8	19.8	31.6	45.7	56.8	66.2	70.6	68.3	59.7	47.3	33.1	18.9	44.4	
CENTRAL														
Marshfield	19.6	17.8	33.0	40.2	54.3	66.6	71.4	68.5	56.7	40.9	38.2	23.8	44.3	0.3
Montello	23.9	22.3	36.0	42.3	55.3	67.6	72.7	69.4	58.2	43.0	40.2	25.8	46.4	1.0
Waupaca	22.7	20.1	34.8	41.3	56.1	68.7	74.5	71.0	59.3	43.5	41.3	27.1	46.7	2.1
District	22.8	20.5	35.7	41.7	55.2	67.6	73.0	69.4	58.4	42.6	40.3	25.7	46.1	1.6
Normal	16.1	20.8	31.6	45.2	56.3	65.7	69.9	67.8	59.4	47.1	34.0	20.3	44.5	
EAST CENTRAL														
Green Bay	26.3	20.3	34.7	42.4	55.1	68.1	73.9	70.0	59.7	43.5	41.8	28.1	47.0	2.7
Oshkosh	24.8	21.7	36.2	42.7	56.3	69.9	76.0	72.0	61.4	45.5	42.7	27.6	48.1	1.7
Sturgeon Bay	25.0	20.1	32.4	38.5	50.4	63.6	71.8	68.4	58.3	42.8	39.9	28.2	45.0	0.5
District	25.4	21.7	35.4	41.0	53.6	66.5	73.1	69.5	59.4	43.8	41.2	27.6	46.5	1.8
Normal	17.8	21.6	31.5	44.1	54.8	64.8	69.4	67.8	59.8	47.7	35.3	22.4	44.8	
SOUTHWEST														
Baraboo	24.4	22.1	38.1	43.4	55.7	68.6	74.3	69.9	59.3	44.3	40.9	25.5	47.2	1.5
Lancaster	23.2	21.4	37.3	44.3	55.7	69.1	74.2	70.6	59.6	44.9	41.8	26.0	47.3	1.6
Viroqua	19.9	18.9	34.2	41.2	54.1	66.6	71.6	68.8	56.9	41.6	38.2	23.4	44.6	0.9
District	24.1	22.3	37.8	43.9	56.0	69.0	74.2	70.1	59.3	44.6	41.4	25.8	47.4	1.1
Normal	17.8	22.8	34.1	46.9	57.7	67.3	71.4	69.3	61.1	48.9	35.6	21.9	46.2	
SOUTH CENTRAL														
Brodhead	24.6	21.7	37.1	43.9	55.6	69.1	74.0	69.4	59.2	44.9	41.6	25.5	47.2	0.2
Madison	26.1	23.1	38.4	44.9	56.3	69.8	75.0	70.4	59.8	45.1	42.0	26.3	48.1	1.6
Portage	24.6	23.6	37.1	43.5	56.3	69.2	74.4	70.3	59.7	44.7	42.4	27.2	47.8	1.2
District	25.5	23.3	37.9	43.9	56.0	69.2	74.6	70.3	60.1	45.4	42.5	26.9	48.0	1.4
Normal	18.8	23.4	34.1	46.8	57.7	67.4	71.5	69.4	61.3	49.2	36.5	23.0	46.6	
SOUTHEAST														
Hartford	22.4	20.2	35.8	40.3	53.2	66.1	72.3	68.3	58.0	43.3	40.1	25.7	45.5	0.2
Kenosha	29.8	27.7	39.9	42.9	53.9	67.0	75.7	72.9	64.5	49.3	45.8	31.0	50.0	2.0
Milwaukee	30.2	27.8	39.5	44.0	55.0	69.8	76.7	73.4	63.7	48.8	46.6	31.7	50.6	2.7
District	27.1	24.8	38.0	43.0	55.0	68.3	74.6	70.6	60.9	45.9	43.5	28.6	48.4	1.5
Normal	20.2	24.4	34.3	46.1	56.6	66.6	71.2	69.6	61.7	49.7	37.4	24.5	46.9	
STATE	21.6	19.2	34.4	40.7	54.1	66.6	72.0	68.4	57.3	41.3	38.6	24.2	44.9	1.3
Normal	15.0	19.6	30.5	44.0	55.3	64.7	69.1	67.1	58.7	46.5	33.1	19.4	43.6	

1/ Normal 1981-2010. Source: Wisconsin State Climatology Office.

FIELD CROP SUMMARY: ACREAGE, YIELD, PRODUCTION, AND VALUE, WISCONSIN, 2016-2020

Year	Planted	Harvested	Yield per acre	Production	Value	
					Per bushel	Total
	Acres		Bushels	1,000 bushels	Dollars	1,000 dollars
CORN FOR GRAIN 1/						
2016	4,050,000	3,220,000	178.0	573,160	3.28	1,879,965
2017	3,900,000	2,930,000	174.0	509,820	3.30	1,682,406
2018	3,900,000	3,170,000	172.0	545,240	3.52	1,919,245
2019	3,800,000	2,670,000	166.0	443,220	3.43	1,520,245
2020	4,000,000	2,970,000	174.0	516,780	4.15	2,144,637
SOYBEANS FOR BEANS						
2016	1,960,000	1,950,000	55.0	107,250	9.36	1,003,860
2017	2,150,000	2,140,000	47.5	101,650	9.34	949,411
2018	2,220,000	2,180,000	48.0	104,640	8.49	888,394
2019	1,750,000	1,690,000	47.0	79,430	8.42	668,801
2020	2,000,000	1,970,000	51.0	100,470	10.70	1,075,029
BARLEY						
2016	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2018	25,000	10,000	45.0	450	4.00	1,800
2019	24,000	8,000	46.0	368	5.25	1,932
2020	26,000	13,000	46.0	598	3.45	2,063
OATS						
2016	210,000	100,000	66.0	6,600	1.86	12,276
2017	180,000	85,000	59.0	5,015	2.78	13,942
2018	200,000	90,000	61.0	5,490	2.77	15,207
2019	265,000	120,000	54.0	6,480	3.13	20,282
2020	300,000	131,000	63.0	8,253	2.50	20,633
WINTER WHEAT						
2016	270,000	250,000	79.0	19,750	3.51	69,323
2017	210,000	170,000	68.0	11,560	4.15	47,974
2018	240,000	200,000	71.0	14,200	4.55	64,610
2019	195,000	150,000	64.0	9,600	4.54	43,584
2020	160,000	125,000	69.0	8,625	4.70	40,538

(NA) Not available. 1/Corn acres planted is for all purposes.

BIOTECHNOLOGY SOYBEAN VARIETIES AS A PERCENT OF ALL SOYBEANS PLANTED, WISCONSIN, 2017-2021

Year	Herbicide resistant 1/ Percent
2017	92
2018	92
2019	91
2020	89
2021	91

1/ Does not include conventionally bred herbicide resistant varieties.

BIOTECHNOLOGY CORN VARIETIES AS A PERCENT OF ALL CORN PLANTED, WISCONSIN, 2017-2021

Year	Insect resistant (Bt)	Herbicide resistant 1/	Stacked gene 2/	All biotech
			Percent	
2017	2	14	71	87
2018	3	13	72	88
2019	3	14	72	89
2020	3	11	76	90
2021	3	12	76	91

1/ Does not include conventionally bred herbicide resistant varieties. 2/ Stacked gene varieties contain biotech traits for both herbicide and insect resistance.

PRICES RECEIVED BY FARMERS FOR CROPS: BY MONTHS, WISCONSIN, 2016-2020

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Dollars per bushel												
CORN												
2016	3.51	3.44	3.43	3.49	3.57	3.75	3.52	3.12	3.13	3.23	3.16	3.15
2017	3.27	3.36	3.42	3.39	3.35	3.42	3.45	3.32	3.25	3.26	3.12	3.13
2018	3.16	3.34	3.46	3.52	3.64	3.57	3.43	3.35	3.29	3.38	3.36	3.38
2019	3.42	3.46	3.54	3.46	3.51	3.89	3.98	3.89	3.69	3.76	3.52	3.56
2020	3.66	3.66	3.51	3.10	3.09	3.18	3.05	3.02	3.26	3.37	3.57	3.80
SOYBEANS												
2016	8.69	8.55	8.53	8.98	9.69	10.30	10.30	9.84	9.34	9.24	9.38	9.49
2017	9.55	9.86	9.75	9.33	9.34	9.19	9.41	9.34	9.27	9.22	9.40	9.43
2018	9.21	9.43	9.80	9.77	9.84	9.84	9.30	8.70	8.92	8.70	8.28	8.51
2019	8.48	8.48	8.61	8.23	7.92	8.22	8.31	8.25	8.17	8.53	8.39	8.48
2020	8.63	8.45	8.30	8.13	8.13	8.19	8.36	8.57	9.12	9.45	10.40	11.10
OATS												
2016	1.48	1.67	1.62	1.65	1.64	1.66	1.69	1.47	1.37	1.68	1.85	1.92
2017	2.54	2.64	2.43	2.55	2.57	2.97	2.57	2.34	2.60	2.88	2.99	2.59
2018	3.13	3.06	3.31	3.24	3.20	3.28	2.61	2.60	2.64	2.74	3.09	3.27
2019	3.24	3.02	2.92	3.40	3.55	3.51	3.07	3.03	3.07	3.57	3.45	2.87
2020	2.97	3.14	3.26	3.59	3.23	3.37	2.81	2.50	2.35	2.43	2.37	2.78

GRAIN STOCKS: (ON-FARMS AND OFF-FARMS), BY QUARTER, WISCONSIN, 2016-2020

Year	March 1	June 1	September 1	December 1
1,000 bushels				
CORN				
2016	303,233	190,562	72,250	443,570
2017	346,918	225,370	112,185	443,383
2018	325,921	226,252	106,955	435,959
2019	326,961	222,859	104,226	378,991
2020	293,898	196,910	92,145	464,975
SOYBEANS				
2016	38,693	22,612	5,733	66,949
2017	48,042	30,718	9,061	74,336
2018	55,434	40,271	15,124	91,014
2019	71,195	56,031	29,617	79,853
2020	63,725	40,134	14,987	68,926

HAY STOCKS: WISCONSIN, 2017-2021

Year	Dec. 1 stocks 1/	Percent of production 2/	May 1 stocks	Percent of production 2/
	1,000 tons	Percent	1,000 tons	Percent
2017	3,200	82	820	21
2018	2,650	75	480	14
2019	1,750	59	330	11
2020	1,770	64	310	11
2021	1,790	51	570	16

1/Refers to December 1 of previous year. 2/ Previous year's production.

NEW SEEDINGS OF ALFALFA AND ALFALFA MIXTURES: WISCONSIN, 2016-2020

Year	Acres seeded
	1,000 acres
2016	320
2017	300
2018	310
2019	480
2020	400

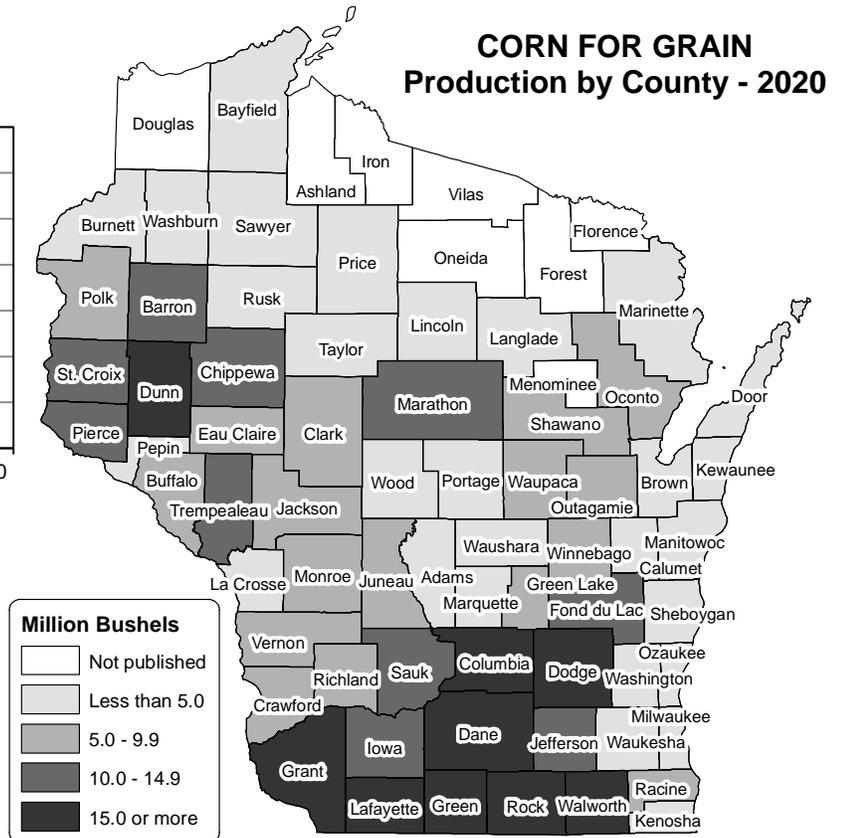
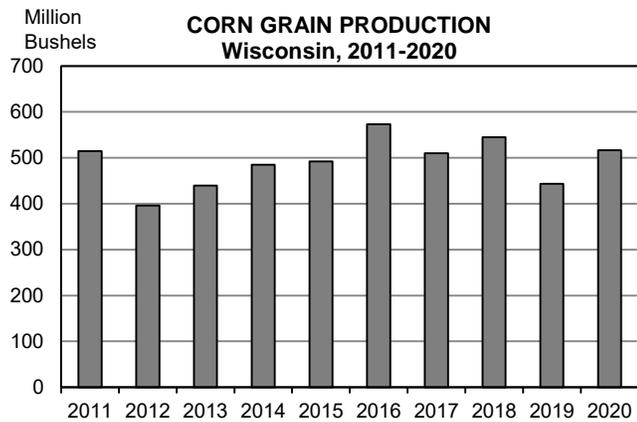
CORN FOR GRAIN: ACREAGE, YIELD AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	All corn planted	Harvested for grain	Yield per acre	Production	All corn planted	Harvested for grain	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Adams	28,000	23,500	116.8	2,745,000	27,500	25,400	126.5	3,213,000
Ashland	-	-	-	-	-	-	-	-
Barron	91,300	74,000	133.2	9,856,000	86,400	65,800	166.4	10,949,000
Bayfield	-	-	-	-	2,100	1,510	129.3	195,200
Brown	-	-	-	-	67,300	22,000	158.4	3,485,000
Buffalo	69,800	54,800	156.8	8,593,000	67,200	47,100	171.8	8,092,000
Burnett	12,100	7,300	119.6	873,000	13,700	11,000	144.3	1,587,000
Calumet	-	-	-	-	50,600	20,200	165.7	3,347,000
Chippewa	88,700	69,800	152.0	10,608,000	93,200	73,500	164.3	12,076,000
Clark	75,800	15,300	121.6	1,861,000	83,500	44,100	168.1	7,413,000
Columbia	129,500	103,800	166.8	17,315,000	130,500	111,800	181.2	20,259,000
Crawford	35,700	31,300	159.4	4,988,000	37,600	32,100	170.4	5,470,000
Dane	181,000	144,700	178.7	25,853,000	187,500	142,600	188.8	26,923,000
Dodge	137,000	105,600	170.9	18,047,000	156,500	120,900	202.3	24,458,000
Door	25,400	14,600	132.5	1,934,000	29,400	20,100	125.3	2,519,000
Douglas	-	-	-	-	-	-	-	-
Dunn	102,500	80,800	177.2	14,314,000	104,000	88,500	171.1	15,142,000
Eau Claire	43,800	34,600	161.9	5,601,000	40,100	35,000	169.4	5,929,000
Florence	-	-	-	-	-	-	-	-
Fond du Lac	102,500	70,200	183.6	12,892,000	115,500	69,400	178.7	12,402,000
Forest	-	-	-	-	-	-	-	-
Grant	166,500	135,800	196.0	26,619,000	156,500	125,500	191.1	23,983,000
Green	115,000	87,100	186.8	16,270,000	114,500	94,700	195.1	18,476,000
Green Lake	51,700	40,300	187.2	7,546,000	50,800	41,800	166.3	6,951,000
Iowa	79,900	60,900	190.2	11,582,000	79,000	66,100	192.5	12,724,000
Iron	-	-	-	-	-	-	-	-
Jackson	49,400	38,100	160.6	6,117,000	46,800	40,000	165.3	6,612,000
Jefferson	79,000	66,200	174.3	11,538,000	90,400	79,300	173.8	13,782,000
Juneau	39,600	31,500	150.5	4,742,000	40,600	36,500	157.6	5,752,000
Kenosha	-	-	-	-	28,300	22,300	178.7	3,985,000
Kewaunee	-	-	-	-	53,500	11,300	152.9	1,728,000
La Crosse	33,500	28,700	171.4	4,918,000	31,900	26,900	168.9	4,543,000
Lafayette	139,500	116,300	194.3	22,600,000	141,000	123,600	205.2	25,363,000
Langlade	-	-	-	-	14,500	5,030	139.8	703,000
Lincoln	-	-	-	-	8,300	4,740	136.9	649,000
Manitowoc	69,900	20,200	163.0	3,293,000	79,900	31,500	157.4	4,958,000
Marathon	-	-	-	-	110,500	86,400	137.1	11,845,000
Marinette	37,100	25,200	126.9	3,199,000	38,600	19,600	141.6	2,775,000
Marquette	35,900	32,800	138.0	4,527,000	33,200	30,100	127.0	3,823,000
Menominee	-	-	-	-	-	-	-	-
Milwaukee	-	-	-	-	1,100	1,090	191.7	209,000
Monroe	60,200	35,200	156.8	5,518,000	61,200	44,800	155.1	6,948,000
Oconto	51,800	27,500	118.8	3,268,000	64,400	39,800	150.5	5,990,000
Oneida	-	-	-	-	-	-	-	-
Outagamie	67,900	34,500	127.5	4,398,000	84,200	51,600	174.4	8,999,000
Ozaukee	15,300	6,260	154.6	968,000	16,700	10,100	152.6	1,541,000
Pepin	30,100	24,300	174.1	4,230,000	29,300	22,600	169.3	3,826,000
Pierce	85,200	66,200	173.5	11,485,000	82,400	70,500	187.5	13,219,000
Polk	68,100	51,500	148.5	7,646,000	65,900	51,500	171.3	8,822,000
Portage	50,500	34,600	170.6	5,902,000	51,200	33,500	147.7	4,948,000
Price	4,400	1,520	125.0	190,000	4,500	1,990	120.6	240,000
Racine	18,000	15,300	161.0	2,464,000	33,100	31,900	181.7	5,796,000
Richland	45,500	37,200	151.8	5,648,000	46,800	36,300	164.1	5,957,000
Rock	152,500	134,600	198.1	26,666,000	152,000	140,100	194.4	27,239,000
Rusk	24,200	13,200	111.1	1,467,000	22,700	13,200	136.9	1,807,000

CORN FOR GRAIN: ACREAGE, YIELD AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	All corn planted	Harvested for grain	Yield per acre	Production	All corn planted	Harvested for grain	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Sauk	85,800	68,900	152.6	10,511,000	85,600	68,600	169.8	11,648,000
Sawyer	—	—	—	—	7,200	5,040	146.0	736,000
Shawano	74,500	44,000	131.1	5,768,000	84,300	43,400	153.0	6,640,000
Sheboygan	43,400	16,600	183.2	3,041,000	55,500	28,500	162.2	4,623,000
St Croix	98,200	82,400	178.8	14,737,000	98,400	81,200	183.8	14,925,000
Taylor	—	—	—	—	38,800	25,100	147.7	3,707,000
Trempealeau	90,300	74,900	158.3	11,858,000	87,400	71,000	162.5	11,538,000
Vernon	60,100	44,600	155.3	6,928,000	61,700	50,300	177.0	8,903,000
Vilas	—	—	—	—	—	—	—	—
Walworth	91,500	77,200	174.1	13,437,000	104,500	97,500	191.6	18,681,000
Washburn	11,800	8,670	155.1	1,345,000	10,300	7,920	159.0	1,259,000
Washington	29,300	18,000	166.7	3,000,000	32,100	22,800	172.0	3,922,000
Waukesha	16,100	13,700	169.3	2,319,000	20,500	19,000	167.2	3,177,000
Waupaca	54,200	26,600	138.8	3,691,000	56,900	33,900	160.3	5,434,000
Waushara	32,200	26,800	172.0	4,609,000	35,800	28,900	154.7	4,470,000
Winnebago	40,000	23,200	140.2	3,252,000	50,800	36,800	150.8	5,549,000
Wood	30,400	13,900	141.0	1,960,000	38,200	22,800	161.8	3,689,000
Other counties	348,400	135,250	136.7	18,483,000	5,600	1,880	120.6	226,800
Wisconsin	3,800,000	2,670,000	166.0	443,220,000	4,000,000	2,970,000	174.0	516,780,000

1/ Some county data does not meet publication standards. However, this unpublished data is included in "Other counties."



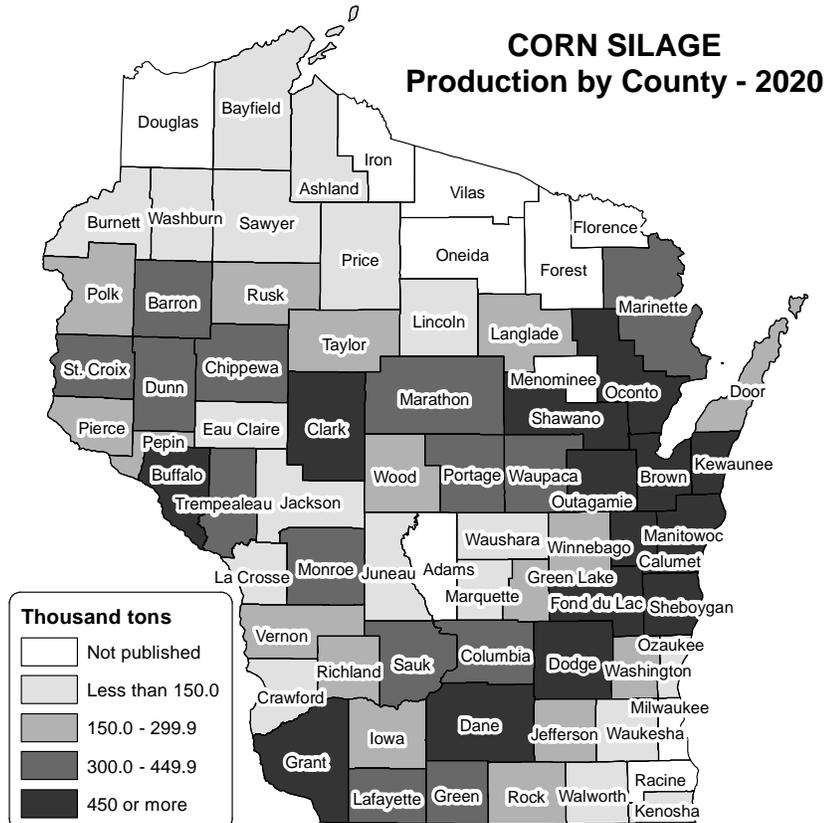
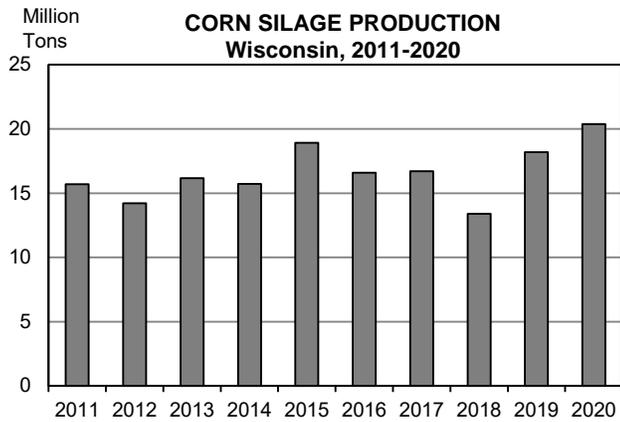
CORN FOR SILAGE: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019			2020		
	Harvested	Yield per acre	Production	Harvested	Yield per acre	Production
	Acres	Tons		Acres	Tons	
Adams	—	—	—	—	—	—
Ashland	—	—	—	2,020	17.0	34,300
Barron	—	—	—	19,400	20.5	398,000
Bayfield	700	14.0	9,900	540	18.0	9,700
Brown	42,000	15.0	632,000	44,300	17.5	775,000
Buffalo	13,100	20.0	259,000	19,200	24.0	461,000
Burnett	4,570	19.0	86,000	2,470	19.5	48,300
Calumet	—	—	—	29,800	19.0	566,000
Chippewa	15,300	17.0	261,000	18,500	21.0	389,000
Clark	58,700	13.5	781,000	38,300	21.0	804,000
Columbia	—	—	—	16,900	25.5	431,000
Crawford	—	—	—	4,970	23.0	114,000
Dane	—	—	—	42,400	25.5	1,090,000
Dodge	—	—	—	33,800	24.0	811,000
Door	—	—	—	8,900	19.0	169,000
Douglas	—	—	—	—	—	—
Dunn	20,000	19.0	381,000	14,100	21.5	303,000
Eau Claire	—	—	—	4,620	20.5	95,000
Florence	150	10.5	1,600	—	—	—
Fond du Lac	—	—	—	43,800	21.5	942,000
Forest	—	—	—	—	—	—
Grant	—	—	—	28,900	22.5	650,000
Green	26,500	20.5	546,000	18,400	23.5	432,000
Green Lake	—	—	—	8,310	20.5	170,000
Iowa	—	—	—	11,800	24.0	283,000
Iron	—	—	—	—	—	—
Jackson	—	—	—	6,120	23.0	141,000
Jefferson	—	—	—	10,000	22.0	220,000
Juneau	—	—	—	3,590	19.0	68,000
Kenosha	—	—	—	5,590	23.0	129,000
Kewaunee	36,000	15.5	550,000	41,300	19.0	785,000
La Crosse	—	—	—	4,640	23.0	107,000
Lafayette	—	—	—	15,600	25.0	390,000
Langlade	7,500	17.5	131,000	9,280	17.5	162,000
Lincoln	—	—	—	3,450	17.0	59,000
Manitowoc	47,900	16.0	776,000	45,400	19.0	863,000
Marathon	—	—	—	22,600	18.0	407,000
Marinette	10,500	14.5	151,000	18,200	20.0	364,000
Marquette	—	—	—	2,700	19.0	51,000
Menominee	—	—	—	—	—	—
Milwaukee	—	—	—	—	—	—
Monroe	—	—	—	15,500	22.0	341,000
Oconto	—	—	—	22,200	20.5	455,000
Oneida	—	—	—	—	—	—
Outagamie	—	—	—	31,400	20.5	644,000
Ozaukee	8,610	15.0	128,000	5,770	20.0	115,000
Pepin	5,040	24.0	122,000	6,360	24.5	156,000
Pierce	—	—	—	10,800	23.5	254,000
Polk	—	—	—	13,600	21.0	286,000
Portage	14,600	18.0	266,000	17,000	18.5	315,000
Price	2,520	13.5	33,400	2,450	14.5	35,500
Racine	—	—	—	—	—	—
Richland	—	—	—	9,830	22.5	221,000
Rock	—	—	—	9,860	24.0	237,000
Rusk	9,040	14.0	128,000	9,220	19.0	175,000

CORN FOR SILAGE: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019			2020		
	Harvested Acres	Yield per acre Tons	Production	Harvested Acres	Yield per acre Tons	Production
Sauk	-	-	-	15,900	22.0	350,000
Sawyer	-	-	-	2,080	20.5	42,600
Shawano	-	-	-	38,700	18.5	716,000
Sheboygan	26,000	17.0	443,000	25,700	20.0	514,000
St Croix	12,800	21.5	278,000	15,900	24.0	382,000
Taylor	-	-	-	13,200	19.5	257,000
Trempealeau	-	-	-	15,100	23.0	347,000
Vernon	-	-	-	10,600	22.0	233,000
Vilas	-	-	-	-	-	-
Walworth	-	-	-	5,680	24.5	139,000
Washburn	3,030	21.0	63,000	2,220	21.5	47,700
Washington	10,900	17.5	193,000	8,920	23.0	205,000
Waukesha	-	-	-	1,260	20.5	25,800
Waupaca	-	-	-	22,200	19.5	433,000
Waushara	5,190	15.0	79,000	6,400	15.5	99,000
Winnebago	16,500	16.0	260,000	13,300	20.0	266,000
Wood	15,000	13.5	199,000	14,900	18.5	276,000
Other counties	627,850	18.0	11,442,100	4,050	20.0	81,100
Wisconsin	1,040,000	17.5	18,200,000	970,000	21.0	20,370,000

1/ Some county data does not meet publication standards. However, this unpublished data is included in "Other counties."



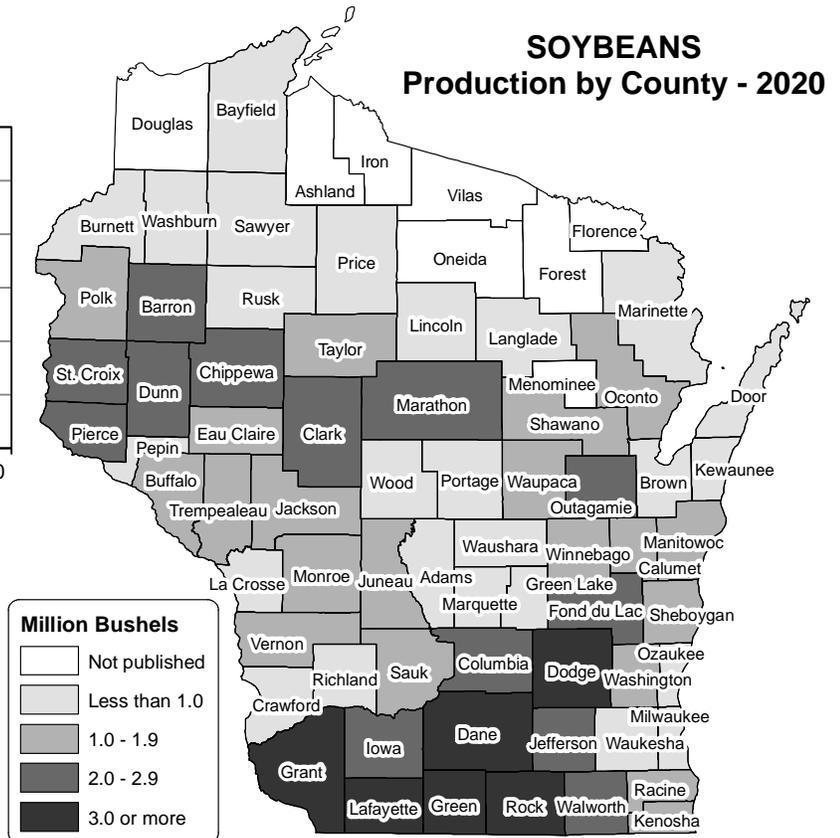
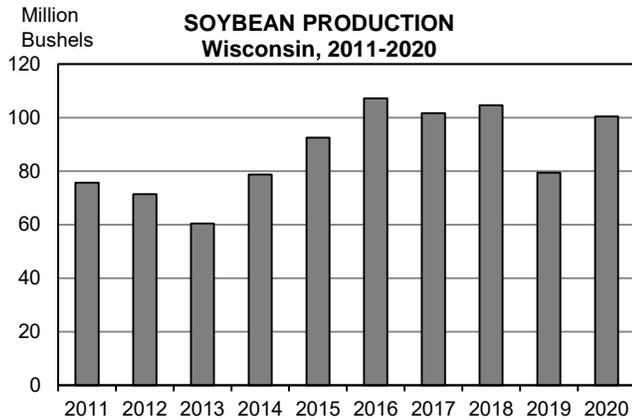
SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Adams	11,000	10,700	48.6	520,000	11,900	11,600	44.1	512,000
Ashland	-	-	-	-	-	-	-	-
Barron	47,400	46,200	42.0	1,939,000	55,600	54,800	48.1	2,636,000
Bayfield	-	-	-	-	1,200	1,180	28.5	33,600
Brown	17,200	16,400	37.6	617,000	17,400	17,100	47.7	816,000
Buffalo	26,900	26,100	45.4	1,186,000	30,000	29,600	50.9	1,507,000
Burnett	8,300	8,000	33.8	270,000	8,700	8,650	41.2	356,000
Calumet	21,500	20,800	41.9	872,000	24,800	24,500	51.4	1,259,000
Chippewa	50,700	49,300	43.6	2,151,000	55,300	54,500	49.2	2,681,000
Clark	35,600	34,500	41.6	1,435,000	41,000	40,000	52.3	2,092,000
Columbia	41,800	40,700	48.9	1,990,000	47,800	47,100	49.4	2,327,000
Crawford	18,400	17,900	44.8	802,000	19,700	19,400	47.5	922,000
Dane	72,300	70,400	54.5	3,839,000	80,100	79,000	53.9	4,258,000
Dodge	70,500	67,500	51.0	3,442,000	77,400	76,300	58.1	4,433,000
Door	-	-	-	-	11,800	11,500	43.4	499,000
Douglas	-	-	-	-	-	-	-	-
Dunn	60,900	59,100	48.0	2,835,000	61,600	60,700	42.3	2,568,000
Eau Claire	22,000	21,300	43.9	935,000	27,700	27,300	47.4	1,294,000
Florence	-	-	-	-	-	-	-	-
Fond du Lac	48,600	46,900	50.6	2,375,000	55,000	54,200	53.8	2,916,000
Forest	-	-	-	-	-	-	-	-
Grant	61,600	59,200	55.4	3,280,000	72,900	71,800	60.6	4,351,000
Green	52,200	50,800	54.4	2,763,000	61,000	60,100	56.9	3,420,000
Green Lake	-	-	-	-	18,300	18,000	47.2	850,000
Iowa	-	-	-	-	44,900	44,300	59.8	2,649,000
Iron	-	-	-	-	-	-	-	-
Jackson	25,400	24,300	43.7	1,063,000	30,100	29,700	47.2	1,402,000
Jefferson	46,200	44,900	48.1	2,161,000	48,400	47,700	53.8	2,566,000
Juneau	21,800	21,000	37.8	794,000	26,500	26,100	44.6	1,164,000
Kenosha	19,700	17,900	43.6	781,000	24,800	24,400	52.4	1,279,000
Kewaunee	11,500	11,100	42.1	467,000	12,100	11,900	46.7	556,000
La Crosse	15,500	15,000	47.7	716,000	17,100	16,800	50.5	848,000
Lafayette	55,900	54,200	59.4	3,219,000	58,900	58,000	65.4	3,793,000
Langlade	-	-	-	-	4,000	3,940	41.4	163,000
Lincoln	5,600	5,400	34.1	184,000	5,600	5,520	43.8	242,000
Manitowoc	27,100	26,200	44.2	1,159,000	23,400	23,100	51.7	1,194,000
Marathon	45,600	44,300	34.7	1,538,000	51,400	50,600	44.4	2,247,000
Marinette	8,800	8,450	43.0	363,000	7,700	7,560	37.6	284,000
Marquette	10,400	9,400	38.1	358,000	15,000	14,800	40.9	605,000
Menominee	-	-	-	-	-	-	-	-
Milwaukee	-	-	-	-	2,100	2,070	49.8	103,000
Monroe	22,200	21,500	46.9	1,008,000	26,500	26,100	43.8	1,143,000
Oconto	-	-	-	-	24,500	24,200	44.6	1,079,000
Oneida	-	-	-	-	-	-	-	-
Outagamie	-	-	-	-	50,300	49,600	50.8	2,520,000
Ozaukee	-	-	-	-	12,300	12,100	49.6	600,000
Pepin	-	-	-	-	18,200	17,900	48.9	875,000
Pierce	41,400	39,900	47.6	1,901,000	47,300	46,600	55.0	2,563,000
Polk	31,600	30,700	37.8	1,160,000	37,400	36,900	48.0	1,771,000
Portage	13,600	13,100	44.0	577,000	16,300	16,100	47.2	760,000
Price	-	-	-	-	700	680	36.8	25,000
Racine	27,700	26,500	46.1	1,222,000	33,400	32,900	52.5	1,727,000
Richland	13,700	13,300	44.0	585,000	16,600	16,400	48.0	787,000
Rock	84,500	81,700	58.0	4,742,000	91,000	89,900	55.9	5,029,000
Rusk	12,000	11,600	30.3	352,000	17,000	16,800	41.2	692,000

SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Sauk	—	—	—	—	37,400	36,900	50.4	1,860,000
Sawyer	—	—	—	—	2,700	2,660	44.0	117,000
Shawano	25,100	24,500	42.8	1,048,000	26,800	26,400	43.8	1,156,000
Sheboygan	27,200	26,300	49.9	1,313,000	30,100	29,700	52.1	1,547,000
St Croix	53,100	51,200	49.5	2,534,000	56,800	56,000	52.4	2,934,000
Taylor	—	—	—	—	24,100	23,200	48.7	1,130,000
Trempealeau	—	—	—	—	40,400	39,800	44.4	1,767,000
Vernon	—	—	—	—	32,600	32,100	49.4	1,586,000
Vilas	—	—	—	—	—	—	—	—
Walworth	45,600	44,300	50.3	2,229,000	54,200	53,400	53.7	2,868,000
Washburn	6,700	6,500	41.4	269,000	8,400	8,280	44.3	367,000
Washington	21,100	20,500	47.1	965,000	20,700	20,400	52.4	1,069,000
Waukesha	15,400	14,900	45.6	680,000	17,600	17,300	46.5	804,000
Waupaca	—	—	—	—	27,600	27,200	45.0	1,224,000
Waushara	14,100	13,700	47.3	648,000	17,600	17,300	43.9	759,000
Winnebago	28,700	27,900	41.9	1,170,000	39,800	39,200	47.7	1,870,000
Wood	10,600	10,100	40.6	410,000	18,600	18,300	51.6	944,000
Other counties	295,300	283,850	44.3	12,563,000	1,900	1,860	38.4	71,400
Wisconsin	1,750,000	1,690,000	47.0	79,430,000	2,000,000	1,970,000	51.0	100,470,000

1/ Some county data does not meet publication standards. However, this unpublished data is included in "Other counties."



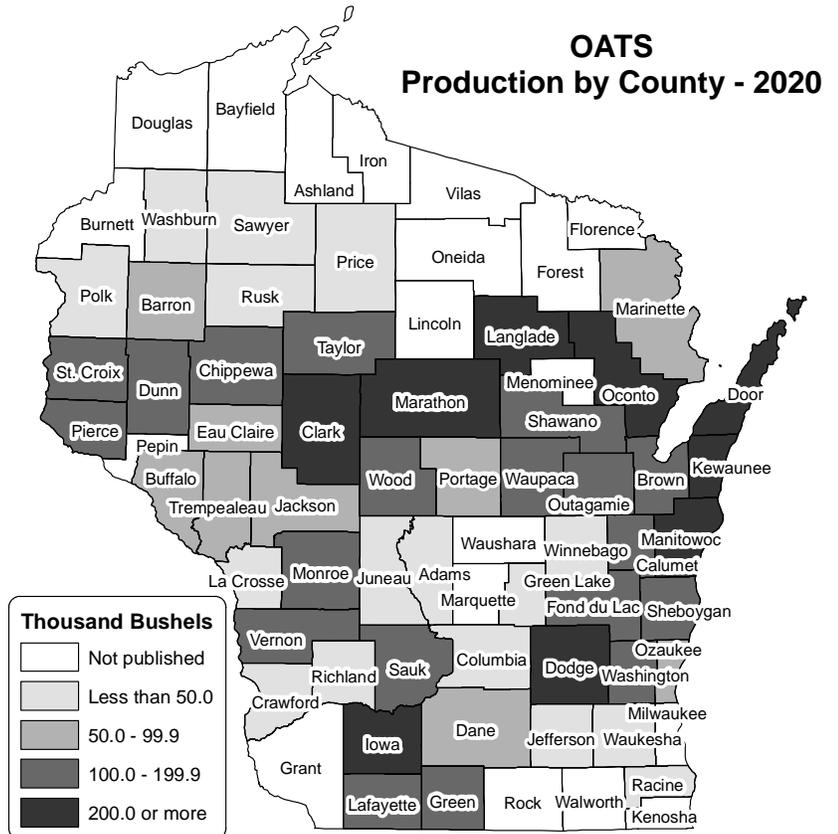
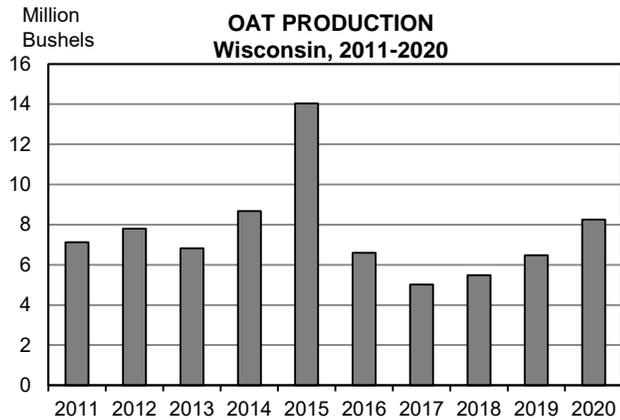
OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Adams	-	-	-	-	1,300	220	55.5	12,200
Ashland	-	-	-	-	-	-	-	-
Barron	4,000	250	50.8	12,700	4,000	1,410	48.5	68,400
Bayfield	-	-	-	-	-	-	-	-
Brown	-	-	-	-	10,700	3,560	54.8	195,000
Buffalo	5,600	1,230	41.1	50,500	5,100	1,520	49.6	75,400
Burnett	1,100	850	58.7	49,900	-	-	-	-
Calumet	2,300	1,020	65.4	66,700	4,900	2,200	83.2	183,000
Chippewa	5,400	1,230	50.5	62,100	5,700	3,470	54.8	190,000
Clark	7,000	5,670	37.9	215,000	8,500	4,810	58.6	282,000
Columbia	1,900	800	51.6	41,300	2,100	680	62.2	42,300
Crawford	-	-	-	-	5,000	880	54.2	47,700
Dane	-	-	-	-	4,300	870	69.7	60,600
Dodge	5,900	2,560	70.7	181,000	6,700	3,820	69.6	266,000
Door	-	-	-	-	7,300	4,780	65.7	314,000
Douglas	-	-	-	-	-	-	-	-
Dunn	7,700	600	52.7	31,600	5,200	1,970	58.4	115,000
Eau Claire	3,100	2,080	43.5	90,500	3,600	1,330	56.1	74,600
Florence	-	-	-	-	-	-	-	-
Fond du Lac	3,800	590	68.6	40,500	5,600	1,460	77.4	113,000
Forest	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-
Green	-	-	-	-	6,900	2,440	65.6	160,000
Green Lake	1,100	630	61.4	38,700	1,100	260	68.5	17,800
Iowa	-	-	-	-	7,900	3,500	70.3	246,000
Iron	-	-	-	-	-	-	-	-
Jackson	4,300	1,500	45.2	67,800	3,900	1,510	62.5	94,400
Jefferson	1,400	390	73.8	28,800	1,800	620	57.7	35,800
Juneau	2,200	340	38.8	13,200	2,400	500	53.0	26,500
Kenosha	-	-	-	-	-	-	-	-
Kewaunee	-	-	-	-	11,500	6,530	61.6	402,000
La Crosse	2,700	530	50.8	26,900	3,000	980	50.7	49,700
Lafayette	-	-	-	-	7,300	2,560	62.1	159,000
Langlade	11,400	11,100	71.1	789,000	9,900	7,030	76.0	534,000
Lincoln	1,700	1,450	38.1	55,300	-	-	-	-
Manitowoc	-	-	-	-	13,700	8,140	66.8	544,000
Marathon	-	-	-	-	14,500	9,220	67.4	621,000
Marinette	2,100	1,830	50.7	92,700	3,500	1,580	52.2	82,400
Marquette	1,400	740	51.8	38,300	-	-	-	-
Menominee	-	-	-	-	-	-	-	-
Milwaukee	-	-	-	-	-	-	-	-
Monroe	-	-	-	-	5,300	2,480	57.3	142,000
Oconto	-	-	-	-	5,000	3,260	65.0	212,000
Oneida	-	-	-	-	-	-	-	-
Outagamie	7,500	1,170	52.6	61,600	5,400	2,540	73.6	187,000
Ozaukee	-	-	-	-	2,200	1,140	57.5	65,600
Pepin	-	-	-	-	-	-	-	-
Pierce	5,300	3,020	52.6	159,000	4,800	2,500	62.8	157,000
Polk	3,900	770	53.8	41,400	3,300	580	57.8	33,500
Portage	-	-	-	-	12,100	1,150	58.5	67,300
Price	-	-	-	-	600	400	57.5	23,000
Racine	-	-	-	-	700	390	56.9	22,200
Richland	3,600	490	41.0	20,100	4,000	720	51.7	37,200
Rock	1,400	60	48.3	2,900	-	-	-	-
Rusk	2,000	580	43.3	25,100	1,700	610	37.4	22,800

OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Sauk	5,000	1,600	42.8	68,400	6,500	2,400	59.2	142,000
Sawyer	-	-	-	-	700	400	49.3	19,700
Shawano	-	-	-	-	6,100	1,660	63.3	105,000
Sheboygan	2,700	2,110	69.2	146,000	4,000	2,380	73.1	174,000
St Croix	5,300	1,550	51.4	79,600	4,800	2,530	68.0	172,000
Taylor	-	-	-	-	4,200	2,390	56.1	134,000
Trempealeau	-	-	-	-	4,700	1,130	46.7	52,800
Vernon	7,100	2,940	47.6	140,000	7,300	3,500	54.9	192,000
Vilas	-	-	-	-	-	-	-	-
Walworth	-	-	-	-	-	-	-	-
Washburn	1,700	230	58.3	13,400	1,200	720	50.4	36,300
Washington	-	-	-	-	3,200	1,930	68.4	132,000
Waukesha	-	-	-	-	700	430	53.3	22,900
Waupaca	3,200	880	54.2	47,700	3,300	1,910	66.0	126,000
Waushara	-	-	-	-	-	-	-	-
Winnebago	800	280	82.9	23,200	1,400	710	55.5	39,400
Wood	2,000	690	41.3	28,500	4,300	1,890	60.8	115,000
Other counties	137,400	68,240	53.2	3,630,600	35,100	13,400	60.3	808,500
Wisconsin	265,000	120,000	54.0	6,480,000	300,000	131,000	63.0	8,253,000

1/ Some counties were not published to avoid disclosure of individual operations. Unpublished data is included in "Other counties."



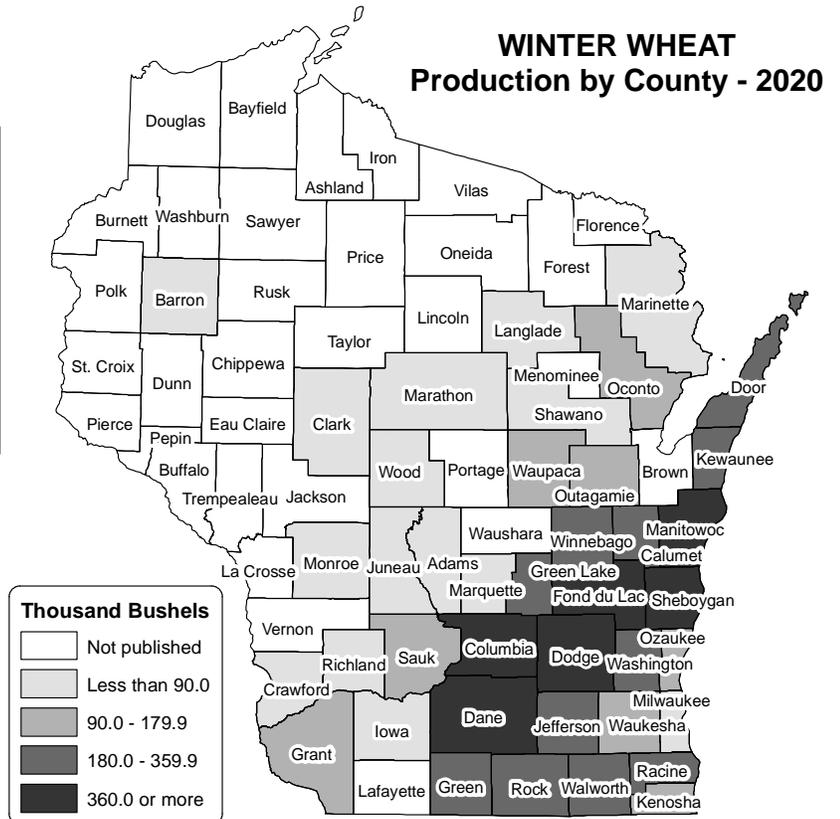
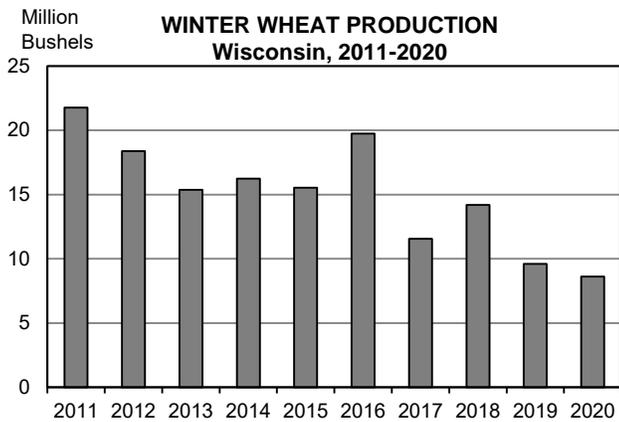
WINTER WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Adams	-	-	-	-	1,500	520	58.1	30,200
Ashland	-	-	-	-	-	-	-	-
Barron	-	-	-	-	1,700	1,290	62.9	81,100
Bayfield	-	-	-	-	-	-	-	-
Brown	5,700	4,690	55.0	258,000	-	-	-	-
Buffalo	-	-	-	-	-	-	-	-
Burnett	-	-	-	-	-	-	-	-
Calumet	-	-	-	-	4,500	4,180	77.3	323,000
Chippewa	-	-	-	-	-	-	-	-
Clark	1,600	1,320	48.5	64,000	1,400	1,080	53.8	58,100
Columbia	5,300	3,550	72.7	258,000	5,200	4,770	79.0	377,000
Crawford	-	-	-	-	700	550	65.6	36,100
Dane	10,300	8,250	72.6	599,000	9,000	7,990	83.5	667,000
Dodge	10,100	7,250	66.6	483,000	9,600	7,980	82.0	654,000
Door	9,700	8,450	53.5	452,000	6,000	5,030	60.6	305,000
Douglas	-	-	-	-	-	-	-	-
Dunn	-	-	-	-	-	-	-	-
Eau Claire	-	-	-	-	-	-	-	-
Florence	-	-	-	-	-	-	-	-
Fond du Lac	10,800	8,380	76.7	643,000	10,200	9,390	73.3	688,000
Forest	-	-	-	-	-	-	-	-
Grant	2,400	1,300	65.6	85,300	2,000	1,470	72.8	107,000
Green	4,300	3,200	70.3	225,000	3,700	2,830	74.6	211,000
Green Lake	2,100	1,640	69.5	114,000	3,100	2,530	77.9	197,000
Iowa	1,300	980	74.7	73,200	700	570	69.5	39,600
Iron	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-
Jefferson	5,200	4,400	66.8	294,000	4,600	4,180	77.8	325,000
Juneau	-	-	-	-	900	700	46.0	32,200
Kenosha	4,200	3,250	55.4	180,000	2,700	2,110	69.7	147,000
Kewaunee	11,300	9,220	67.5	622,000	4,700	4,340	68.4	297,000
La Crosse	-	-	-	-	-	-	-	-
Lafayette	-	-	-	-	-	-	-	-
Langlade	-	-	-	-	900	730	47.3	34,500
Lincoln	-	-	-	-	-	-	-	-
Manitowoc	13,400	11,400	68.2	778,000	8,000	6,780	66.5	451,000
Marathon	2,600	2,080	58.7	122,000	1,400	1,030	75.5	77,800
Marinette	-	-	-	-	1,000	770	49.2	37,900
Marquette	-	-	-	-	800	600	51.2	30,700
Menominee	-	-	-	-	-	-	-	-
Milwaukee	-	-	-	-	300	220	73.2	16,100
Monroe	-	-	-	-	500	180	54.4	9,800
Oconto	5,300	4,580	41.7	191,000	1,900	1,520	61.1	92,900
Oneida	-	-	-	-	-	-	-	-
Outagamie	4,800	3,810	56.4	215,000	2,000	1,640	63.4	104,000
Ozaukee	3,900	3,480	64.4	224,000	2,500	2,050	65.9	135,000
Pepin	-	-	-	-	-	-	-	-
Pierce	-	-	-	-	-	-	-	-
Polk	-	-	-	-	-	-	-	-
Portage	-	-	-	-	-	-	-	-
Price	-	-	-	-	-	-	-	-
Racine	6,600	5,460	69.4	379,000	4,600	3,500	70.9	248,000
Richland	-	-	-	-	900	600	54.8	32,900
Rock	5,100	4,550	72.5	330,000	6,100	5,190	68.8	357,000
Rusk	-	-	-	-	-	-	-	-

WINTER WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020 1/

County	2019				2020			
	Planted	Harvested	Yield per acre	Production	Planted	Harvested	Yield per acre	Production
	Acres		Bushels		Acres		Bushels	
Sauk	4,000	2,250	64.9	146,000	3,200	2,580	60.5	156,000
Sawyer	-	-	-	-	-	-	-	-
Shawano	2,300	1,670	52.0	86,800	1,800	1,440	56.9	81,900
Sheboygan	8,800	7,600	62.0	471,000	6,600	5,890	65.0	383,000
St Croix	-	-	-	-	-	-	-	-
Taylor	-	-	-	-	-	-	-	-
Trempealeau	-	-	-	-	-	-	-	-
Vernon	-	-	-	-	-	-	-	-
Vilas	-	-	-	-	-	-	-	-
Walworth	-	-	-	-	3,500	2,690	69.5	187,000
Washburn	-	-	-	-	-	-	-	-
Washington	4,300	3,790	66.8	253,000	4,000	2,990	72.6	217,000
Waukesha	-	-	-	-	2,400	1,920	68.8	132,000
Waupaca	2,200	1,700	52.2	88,800	2,200	1,790	61.5	110,000
Waushara	-	-	-	-	-	-	-	-
Winnebago	-	-	-	-	5,100	4,640	71.3	331,000
Wood	800	660	52.0	34,300	1,400	990	66.1	65,400
Other counties	46,600	31,090	62.1	1,930,600	26,700	13,750	55.2	758,800
Wisconsin	195,000	150,000	64.0	9,600,000	160,000	125,000	69.0	8,625,000

1/ Some counties were not published to avoid disclosure of individual operations. Unpublished data is included in "Other counties."



FORAGE AND HAY SUMMARY: ACREAGE, YIELD, PRODUCTION, AND VALUE, WISCONSIN, 2016-2020

Year	Harvested 1,000 acres	Yield per acre Tons	Production 1,000 tons	Value	
				Per ton Dollars	Total 1,000 dollars
ALL FORAGE 1/ (DRY EQUIVALENT)					
2016	2,400	3.59	8,607	—	—
2017	2,170	3.52	7,643	—	—
2018	2,210	2.93	6,479	—	—
2019	2,330	2.63	6,135	—	—
2020	2,360	3.07	7,242	—	—
ALL ALFALFA FORAGE 1/ (DRY EQUIVALENT)					
2016	1,950	3.80	7,406	—	—
2017	1,700	3.83	6,519	—	—
2018	1,590	3.29	5,239	—	—
2019	1,680	3.00	5,036	—	—
2020	1,660	3.65	6,053	—	—
ALL HAY (DRY ONLY)					
2016	1,330	2.95	3,926	85.00	332,582
2017	1,270	2.77	3,522	111.00	396,066
2018	1,360	2.17	2,953	153.00	441,450
2019	1,300	2.14	2,784	185.00	513,504
2020	1,370	2.54	3,483	156.00	542,403
ALFALFA HAY (DRY ONLY)					
2016	1,000	3.20	3,200	91.00	291,200
2017	910	3.00	2,730	121.00	330,330
2018	820	2.35	1,927	162.00	312,174
2019	880	2.40	2,112	197.00	416,064
2020	840	3.20	2,668	166.00	446,208
ALL OTHER HAY 2/ (DRY ONLY)					
2016	330	2.20	726	57.00	41,382
2017	360	2.20	792	83.00	65,736
2018	540	1.90	1,026	126.00	129,276
2019	420	1.60	672	145.00	97,440
2020	530	1.50	795	121.00	96,195

1/Includes all acreage harvested for dry hay and/or haylage and all production from those acres on a dry equivalent basis. 2/Includes clover, timothy, and other types.

PRICES RECEIVED BY FARMERS FOR HAY: BY MONTH, WISCONSIN, 2016-2020

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Dollars per ton												
ALFALFA HAY (BALED)												
2016	107.00	83.00	92.00	99.00	101.00	95.00	80.00	79.00	88.00	117.00	100.00	94.00
2017	82.00	92.00	91.00	93.00	120.00	113.00	103.00	97.00	119.00	121.00	138.00	127.00
2018	130.00	138.00	135.00	165.00	171.00	148.00	127.00	134.00	154.00	165.00	180.00	186.00
2019	187.00	201.00	203.00	193.00	232.00	219.00	167.00	192.00	190.00	213.00	232.00	242.00
2020	191.00	185.00	180.00	164.00	163.00	159.00	163.00	164.00	159.00	170.00	196.00	178.00
ALL OTHER HAY (BALED)												
2016	74.00	54.00	58.00	65.00	59.00	64.00	46.00	46.00	59.00	51.00	70.00	67.00
2017	58.00	67.00	66.00	70.00	66.00	74.00	70.00	79.00	70.00	92.00	103.00	94.00
2018	94.00	96.00	90.00	120.00	109.00	118.00	94.00	91.00	120.00	132.00	159.00	155.00
2019	158.00	179.00	152.00	165.00	189.00	176.00	125.00	112.00	135.00	149.00	186.00	186.00
2020	163.00	150.00	153.00	135.00	158.00	123.00	119.00	112.00	110.00	132.00	147.00	124.00

APPLES AND CHERRIES: ACREAGE, YIELD, AND VALUE, WISCONSIN, 2016-2020

Year	Bearing acreage Acres	Yield per acre 1/ Pounds	Production		Price per pound			Value of production		
			Total	Utilized	Fresh	Processed	All	Fresh	Processed	All
			Million pounds		Dollars			1,000 dollars		
APPLES										
2016	4,000	10,300	41.0	39.5	0.636	0.207	0.552	20,225	1,594	21,819
2017	4,000	12,300	49.0	47.9	0.668	0.145	0.549	24,716	1,581	26,297
2018 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2019 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2020 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
CHERRIES, TART										
2016	1,700	8,000	13.6	13.5	0.963	0.297	0.302	96	3,980	4,076
2017	1,600	7,060	11.3	9.4	1.380	0.212	0.224	138	1,971	2,109
2018	1,500	7,270	10.9	10.0	1.220	0.161	0.193	366	1,562	1,928
2019	1,600	5,700	9.1	8.6	(D)	(D)	0.109	(D)	(D)	934
2020	1,500	6,700	10.1	10.0	(D)	(D)	0.499	(D)	(D)	4,993

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. 1/Yield is based on total on total production, which includes unharvested production and fruit harvested but not sold due to marketing conditions. 2/Apple estimates for Wisconsin were discontinued in 2018.

CRANBERRIES: ACREAGE, YIELD, PRODUCTION AND VALUE, WISCONSIN, 2016-2020

Year	Harvested Acres	Yield per acre 1/ Pounds	Production		Utilization		Value	
			Total	Utilized	Fresh	Processed	Per barrel 2/	Total
			Barrels		Dollars		1,000 dollars	
2016	21,100	288.2	6,130,000	6,081,000	202,000	5,879,000	29.20	177,347
2017	20,600	259.5	5,372,000	5,345,000	134,000	5,211,000	29.20	156,141
2018	20,700	267.8	5,545,000	5,517,250	188,550	5,328,700	28.10	154,859
2019	20,800	224.4	4,670,000	4,655,950	163,450	4,492,500	34.90	162,644
2020	20,800	223.0	4,640,000	4,626,100	264,500	4,361,600	38.60	178,734

1/Prior to 2018, yield was calculated based on utilized production. Beginning in 2018, yield was calculated based on total production. 2/ Weighted average of co-op and independent sales. Co-op prices represent pool proceeds less returns for processing non-cranberry products, capital stock dividends, capital stock retains, and other retains.

MAPLE SYRUP: TAPS, YIELD, PRODUCTION, AND VALUE, WISCONSIN, 2016-2020

Year	Taps 1,000 taps	Yield per tap Gallons	Production 1,000 gallons	Average price per gallon Dollars	Value of Production 1,000 dollars	Method of sale			Average season length Days
						Retail	Wholesale container	Bulk	
						Percent			
2016	765	0.307	235	33.50	7,873	22	11	67	29
2017	760	0.272	207	31.40	6,500	16	13	71	29
2018	750	0.300	225	32.40	7,290	19	16	65	36
2019	800	0.338	270	32.50	8,775	20	7	73	24
2020	780	0.340	265	29.10	7,712	17	6	77	29

PEPPERMINT FOR OIL: HARVESTED ACREAGE, YIELD, PRODUCTION, AND VALUE, WISCONSIN, 2016-2020

Year	Harvested Acres	Yield per acre Pounds	Production 1,000 lbs	Value	
				Per pound Dollars	Total 1,000 dollars
				2016	3,000
2017	2,800	73	204	18.50	3,774
2018	2,900	59	171	(D)	(D)
2019	(D)	(D)	(D)	(D)	(D)
2020	(D)	(D)	(D)	(D)	(D)

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

POTATOES: ACREAGE, YIELD, PRODUCTION, AND VALUE, WISCONSIN, 2016-2020

Year	Planted	Harvested	Yield per acre	Production	Value	
					Per cwt.	Total
					Dollars	1,000 dollars
	Acres		Cwt.	1,000 cwt.	Dollars	1,000 dollars
2016	69,000	68,000	435	29,580	11.60	343,128
2017	71,000	70,000	425	29,750	10.90	324,275
2018	69,000	67,000	405	27,135	10.50	284,918
2019	71,000	70,000	410	28,700	11.80	338,660
2020	70,000	69,500	400	27,800	10.70	297,460

VEGETABLES: ACREAGE, YIELD, PRODUCTION, AND PRICE BY UTILIZATION, WISCONSIN: 2016-2020

Year	Planted	Harvested	Yield per acre	Utilized production			Price			Value of utilized production		
	All	All	All	Fresh	Processed	All	Fresh	Processed	All	Fresh	Processed	All
	Acres	Acres	Cwt.	1,000 cwt.	Tons	1,000 cwt.	Dollars per cwt.	Dollars per ton	Dollars per cwt.	1,000 dollars		
CABBAGE												
2016	4,100	4,000	665	(D)	(D)	2,660	(D)	(D)	11.90	(D)	(D)	31,721
2017	5,200	5,100	550	(D)	(D)	2,805	(D)	(D)	15.30	(D)	(D)	42,918
2018	3,400	3,300	405	(D)	(D)	1,337	(D)	(D)	8.00	(D)	(D)	10,698
2019	5,300	5,000	265	(D)	(D)	1,325	(D)	(D)	11.80	(D)	(D)	15,598
2020	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CARROTS												
2016	4,600	4,500	500	14	111,825	2,250	110.00	81.40	4.71	1,485	9,103	10,588
2017	4,500	4,500	560	3	125,622	2,515	111.00	68.00	3.51	278	8,542	8,820
2018	4,100	4,000	430	3	85,570	1,715	138.00	77.40	4.14	469	6,623	7,092
2019	3,600	3,300	485	(D)	(D)	1,601	(D)	(D)	4.36	(D)	(D)	6,977
2020	3,500	3,500	520	15	89,453	1,804	116.00	75.90	4.70	1694	6789	8,483
CUCUMBERS												
2016	6,300	6,200	125	17	37,898	775	51.00	220.00	11.90	872	8,338	9,210
2017	6,100	5,900	125	(D)	(D)	736	(D)	(D)	15.70	(D)	(D)	11,531
2018	5,100	5,100	120	(D)	(D)	603	(D)	(D)	21.40	(D)	(D)	12,913
2019	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2020	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GREEN PEAS												
2016	28,700	27,100	47	3	63,558	1,274	169.00	198.00	10.20	423	12,584	13,007
2017	23,800	22,500	43	13	47,746	968	329.00	214.00	14.80	4,145	10,218	14,363
2018	24,900	23,300	42	1	48,881	979	275.00	236.00	12.10	275	11,536	11,811
2019	28,000	26,500	41	1	54,271	1,087	281.00	202.00	10.40	309	10,963	11,272
2020	28,200	27,700	41	3	56,274	1,129	260.00	237.00	12.60	884	13,337	14,221
PUMPKINS												
2016	3,700	3,200	110	331	-	331	18.90	-	18.90	6,254	-	6,254
2017	4,000	2,800	150	397	-	397	27.80	-	27.80	11,023	-	11,023
2018	4,100	3,700	66	215	-	215	13.00	-	13.00	2,791	-	2,791
2019	(D)	(D)	(D)	(D)	-	(D)	(D)	-	(D)	(D)	-	(D)
2020	2,300	2,100	75	144	-	143.5	22.60	-	22.60	3,243	-	3,243
SNAP BEANS												
2016	71,800	66,600	110	7	365,934	7,326	35.30	124.00	6.23	258	45,376	45,634
2017	66,600	62,500	105	105	322,875	6,563	43.80	110.00	6.11	4,599	35,516	40,115
2018	67,000	63,500	100	318	300,990	6,337	52.20	104.00	7.55	16,574	31,303	47,877
2019	65,000	63,500	98	342	294,037	6,223	38.40	99.00	6.79	13,144	29,110	42,254
2020	58,200	56,600	100	181	272,529	5,632	49.80	96.40	6.27	9,019	26,272	35,291
SWEET CORN												
2016	61,500	60,300	170	574	483,847	10,251	27.80	68.20	4.78	15,960	32,998	48,958
2017	56,700	54,900	176	406	462,346	9,653	30.80	70.00	4.65	12,499	32,364	44,863
2018	59,300	56,400	170	326	463,100	9,588	26.80	67.90	4.19	8,737	31,444	40,181
2019	53,400	49,400	175	354	411,070	8,576	21.60	62.80	3.90	7,655	25,815	33,470
2020	57,900	57,100	175	430	478,141	9,993	37.10	70.20	4.95	15,942	33,565	49,507

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

2019 Census of Horticulture Specialties

The 2019 Census of Horticultural Specialties report shows that horticulture operations in the United States sold a total of \$13.8 billion in floriculture, nursery and specialty crops in 2019, down slightly from 2014. The number of horticulture operations decreased 11% during this time to 20,655.

Wisconsin's total floriculture, nursery and specialty crops generated \$231 million in sales in 2019, up slightly from 2014. This accounts for 1.7% of all U.S. horticulture sales in 2019. Wisconsin producers decreased in number from 833 in 2014 to 789 in 2019, a 5.3% decrease. Of the 789 horticultural specialty operations, family- or individually-owned operations were the most common, accounting for 53.1% of all operations, but corporately owned operations accounted for 66.8% of all sales (\$154 million). Partnerships had an increased share of revenues, composing 18.5% of total sales in 2019, compared with 16.5% in 2014. Total industry expenses in Wisconsin totaled \$183 million, down 2.7% since 2014. Hired labor costs, at \$67.0 million, were the largest expense, accounting for 36.7% of total expenses in 2019.

Sales value of Wisconsin cut Christmas trees ranked fourth in the nation, composing 6.5% of the total U.S. cut Christmas tree sales, with \$23.3 million in sales. The 181 operations in Wisconsin sold 785 thousand Christmas trees in 2019. As of January 1, 2020, there were 7.26 million Christmas trees on Wisconsin horticulture operations to be cut and sold in future years.

Annual bedding and garden plants had a decrease in total sales from 2014, down \$2.36 million to \$78.4 million in sales in 2019. There were 341 operations with annual bedding and garden plant sales, down 14.7% from 2014. Retail sales composed 62.8% of all annual and bedding garden sales, while the remainder were wholesale sales. Cut Christmas trees and nursery stock showed strong growth, with sales increasing 43.7% and 25.3%, respectively. Sales of sod, sprigs, and plugs experienced the largest decrease in sales, down \$2.93 million, or 21.4% from 2014 to 2019.

Food crops grown under protection increased in terms of the number of operations engaged in this practice, and also experienced an overall increase in revenues. The total number of operations engaged in this practice increased 9.2% to 107 operations. Total sales from food crops grown under protection increased 19.1% to \$4.91 million in 2019. Tomatoes top food crops grown under protection, with \$1.88 million in sales and 10,062 cwt. produced.

The Census of Horticultural Specialties provides detailed, comprehensive production and economic data on the horticulture industry. It provides information on the number and types of establishments engaged in horticultural production, value of sales, varieties of products, production expenses and more. All operations that reported producing and selling \$10,000 or more of horticultural crops on the 2017 Census of Agriculture were included in this special study.

The full report is available at: <http://www.agcensus.usda.gov/Publications/>

TOP HORTICULTURAL COMMODITIES–WISCONSIN: 2014 AND 2019

Commodity	2014 Sales		2019 Sales		Change from 2014 to 2019
	1,000 dollars		Percent		
All Horticulture					
Annual bedding/garden plants	80,794	78,432			-2.9
Cut Christmas trees	16,182	23,256			43.7
Food crops under protection	4,120	4,906			19.1
Nursery stock	45,749	57,328			25.3
Potted flowering plants	9,503	(D)			(NA)
Potted herbaceous perennials	24,820	25,968			4.6
Sod, sprigs and plugs	13,683	10,754			-21.4

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available

TOP ANNUAL BEDDING/GARDEN PLANTS SOLD–WISCONSIN: 2014 AND 2019

Commodity	Operations		Value of sales	
	2014	2019	2014	2019
	Number		1,000 dollars	
Flowering and foliar annuals, total	385	323	75,066	71,655
Begonia	313	231	2,373	2,682
Calibrachoa	137	107	1,552	1,385
Geraniums (from vegetative cuttings)	318	239	7,510	5,778
Impatiens, New Guinea	274	227	1,898	1,802
Impatiens, other	276	203	2,323	2,704
Marigold	312	240	1,306	1,073
Pansies (violas)	301	230	1,852	1,851
Other flowering and foliar annuals	131	138	43,876	39,612
Vegetable-type bedding plants, total	219	183	5,728	6,778
Herbs (culinary)	135	113	1,172	968
Tomatoes	165	144	1,315	820
Other vegetable-type bedding plants	101	117	2,395	4,205

Livestock & Dairy

In 2020, Wisconsin produced 30.7 billion pounds of milk, an increase of less than 1 percent over the previous year. The number of milk cows declined 1 percent, averaging 1.26 million head. Milk per cow rose from 24,123 pounds in 2019 to 24,408 in 2020. Milk prices began at \$19.50 per hundredweight (cwt.) in January, fluctuated considerably throughout the year, and ended at \$18.10 per cwt in December.

Wisconsin maintained its status as the nation's largest cheese producer in 2020, with 26 percent of the nation's production. From 2019 to 2020, the state's total cheese production rose 1 percent to 3.39 billion pounds. Italian cheese production was down 3 percent to 1.65 billion pounds, comprising 49 percent of Wisconsin's total production. Production of American cheeses rose 6 percent to 1.06 billion pounds. Specialty cheese production fell from 817 million pounds in 2019 to 796 million pounds in 2020, accounting for 23 percent of the state's total cheese production.

The total inventory of cattle and calves on January 1, 2021 was 3.45 million head, the same as the previous year. The number of milk cows as remained the same as the previous year, at 1.26 million head. There were 310,000 beef cows. On the U.S. level, slaughter prices fell \$7.00 to \$109.00 per cwt. for cattle but rose \$2.00 to \$161.00 per cwt. for calves. Wisconsin's total value of production fell 8 percent to \$1.43 billion.

As of December 1, 2020, hog inventory totaled 400,000 head, 35,000 more than a year earlier. Pork production totaled 288 million pounds (live weight basis), up 8 percent. Average price per cwt. on the U.S. level fell 9 percent to \$46.90. Wisconsin's value of production fell 4 percent, from \$138 million in 2019 to \$133 million in 2020.

Sheep and lamb inventory was 86,000 head as of January 1, 2021, up 5,000 from the previous year. Wool production rose 1 percent to 345,000 pounds and the average price for wool fell to \$0.50 per pound. Milk goat inventory dropped 6 percent to 72,000 head in total. Wisconsin continues to have the largest number of milk goats in the nation with 17 percent of the U.S. total.

Egg production increased 5 percent to 2.27 billion eggs for the year ending November 30, 2020. There were 7.65 million layers, with an average of 298 eggs per layer. Egg prices rose 20 percent to \$0.70 per dozen in 2020. The value of production was up 26 percent to \$132 million.

In 2020, broiler production was 55.0 million head, down 6 percent. The price of broilers decreased 25 percent to 37 cents per pound. This resulted in a 26 percent decrease in the value of broiler production.

The total sales value of trout fell 7 percent in 2020 to 1.42 million dollars.

Wisconsin produced 403,540 mink pelts in 2020, down 61 percent from 2019 due to low prices in recent years and mink farms going out of business. Wisconsin produced more mink pelts than any other state, with 29 percent of the nation's total production. The U.S. average price per pelt rose 58 percent to \$33.70. The total value of pelts produced in Wisconsin was \$13.6 million.

Honey production rose 4 percent, from 2.16 million pounds in 2019 to 2.25 million pounds in 2020. Honey-producing colonies fell by 1,000 to 45,000. Yield per colony increased 6 percent, from an average of 47 pounds in 2019 to an average of 50 pounds in 2020. The average price of honey was up 26 cents to \$3.26 per pound.



LIVESTOCK AND DAIRY RECORDS IN WISCONSIN AGRICULTURE

Commodity	Unit	2020	Record high		Record low		Year estimate started
			Quantity	Year 1/	Quantity	Year 1/	
Cattle, all, Jan. 1	Head	3,450,000 2/	4,640,000	1975	642,000	1867	1867
Milk cows, Jan. 1	Head	1,260,000 2/	2,585,000	1946	245,000	1867	1867
Beef cows, Jan. 1	Head	310,000 2/	350,000	1976	16,000	1939	1920
Milk production	Mil. lbs.	30,730	30,730	2020	2,612	1889	1889
Milk per cow per year	Pounds	24,408	24,408	2020	5,100	1934	1933
Hogs, all, Dec. 1	Head	400,000	2,516,000	1943	295,000	2013	1866
Sheep & lambs, Jan. 1	Head	86,000 2/	543,000	1932	75,000	2019	1920
Milk goats, Jan. 1	Head	72,000 2/	77,000	2020	35,000	2008	2008
Layers, annual average	Head	7,646,000	18,848,000	1944	3,175,000	1993	1924
Egg production	Mil. eggs	2,275	2,411	1944	820	1993	1925
Total cheese	Thous. lbs.	3,389,763	3,422,961	2018	275,528	1922	1920
American cheese	Thous. lbs.	1,063,446	1,158,909	1983	215,400	1922	1920
Italian cheese	Thous. lbs.	1,645,934	1,729,627	2018	124	1925	1920
Hispanic cheese	Thous. lbs.	105,068	105,068	2020	14,447	1997	1997
Muenster cheese	Thous. lbs.	69,397	81,957	1987	5,044	1931	1931
Swiss cheese	Thous. lbs.	15,023	53,581	1988	15,023	2020	1970

1/These are the latest years that records were achieved. In some cases, these records were equaled in several earlier years. 2/Inventory as of January 1, 2021.

**LIVESTOCK: NUMBER OF HEAD AND VALUE,
WISCONSIN, JANUARY 1, 2021**

Commodity	Head	Value per head	Total value
	1,000	Dollars	1,000 dollars
Cattle and calves, all	3,450	990.00	3,415,500
Hogs and pigs, all 1/	400	96.00	38,400
Sheep and lambs, all	86	215.00	18,490
Chickens, total 1/ 2/	10,173	3.40	34,588

1/December 1 previous year. 2/Does not include commercial broilers.

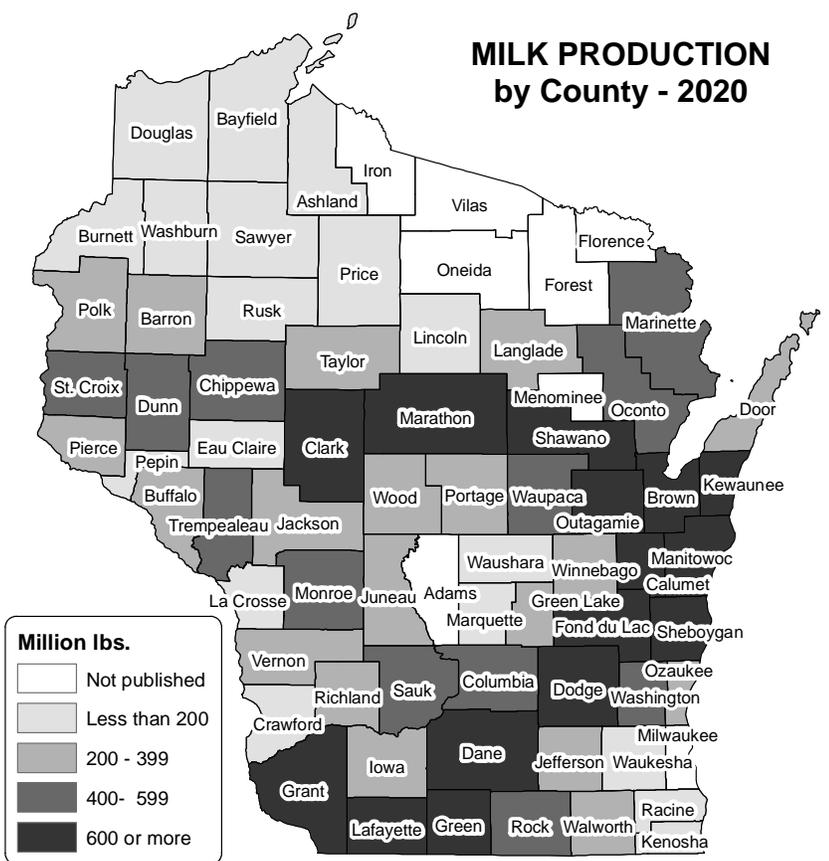
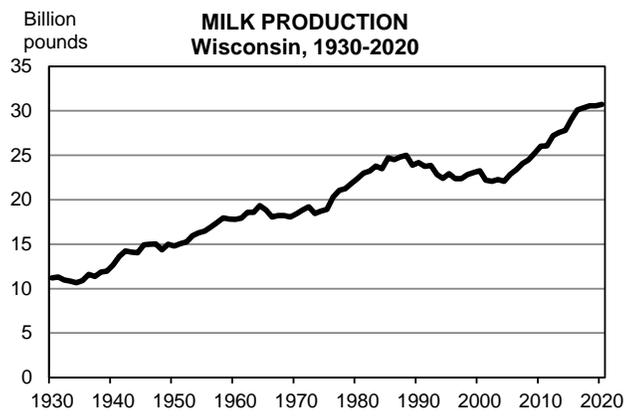
MILK COWS: PRODUCTION PER COW AND TOTAL MILK PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020

County	2019			2020		
	Number of cows 1/	Milk per cow	Production	Number of cows 1/	Milk per cow	Production
	Number	Pounds	1,000 lbs.	Number	Pounds	1,000 lbs.
Adams 2/	-	-	-	-	-	-
Ashland	2,500	22,800	57,000	2,600	22,800	59,280
Barron	20,500	18,500	379,250	20,000	18,500	370,000
Bayfield	1,000	18,300	18,300	1,000	18,100	18,100
Brown	45,500	28,400	1,292,200	46,000	28,500	1,311,000
Buffalo	16,800	20,700	347,760	16,600	21,300	353,580
Burnett	3,600	18,700	67,320	3,600	19,000	68,400
Calumet	31,500	27,700	872,550	31,000	27,700	858,700
Chippewa	25,000	21,100	527,500	23,500	21,700	509,950
Clark	66,000	22,900	1,511,400	65,000	23,400	1,521,000
Columbia	18,000	26,200	471,600	17,800	26,100	464,580
Crawford	6,700	17,900	119,930	6,500	17,800	115,700
Dane	53,000	27,700	1,468,100	53,000	27,700	1,468,100
Dodge	41,000	25,300	1,037,300	40,000	25,300	1,012,000
Door	10,000	21,000	210,000	10,300	21,300	219,390
Douglas	400	17,000	6,800	400	16,800	6,720
Dunn	24,000	21,800	523,200	24,000	22,200	532,800
Eau Claire	7,100	18,500	131,350	6,800	18,600	126,480
Florence 2/	-	-	-	-	-	-
Fond du Lac	59,000	26,400	1,557,600	59,000	26,600	1,569,400
Forest 2/	-	-	-	-	-	-
Grant	42,500	21,900	930,750	42,000	21,900	919,800
Green	28,000	24,300	680,400	29,500	25,000	737,500
Green Lake	9,400	22,900	215,260	9,300	23,000	213,900
Iowa	20,500	19,900	407,950	20,000	19,900	398,000
Iron 2/	-	-	-	-	-	-
Jackson	12,200	20,600	251,320	11,800	20,400	240,720
Jefferson	14,500	25,200	365,400	14,300	25,600	366,080
Juneau	10,500	21,200	222,600	10,500	21,300	223,650
Kenosha	3,500	23,800	83,300	3,500	23,700	82,950
Kewaunee	53,000	26,900	1,425,700	54,000	27,000	1,458,000
La Crosse	7,000	18,500	129,500	6,900	18,800	129,720
Lafayette	30,000	20,900	627,000	29,500	20,900	616,550
Langlade	8,300	23,800	197,540	9,100	24,400	222,040
Lincoln	3,700	21,300	78,810	3,600	21,300	76,680
Manitowoc	58,000	27,900	1,618,200	59,000	27,900	1,646,100
Marathon	63,000	22,700	1,430,100	61,000	23,300	1,421,300
Marinette	15,400	25,500	392,700	15,500	26,000	403,000
Marquette	5,000	25,900	129,500	5,100	25,800	131,580
Menominee 2/	-	-	-	-	-	-
Milwaukee 2/	-	-	-	-	-	-
Monroe	22,000	20,900	459,800	21,000	21,600	453,600
Oconto	21,000	25,900	543,900	21,000	26,500	556,500
Oneida 2/	-	-	-	-	-	-
Outagamie	36,500	27,400	1,000,100	36,000	27,400	986,400
Ozaukee	9,200	25,500	234,600	9,200	25,400	233,680
Pepin	7,500	25,100	188,250	7,400	25,100	185,740
Pierce	14,800	21,000	310,800	14,500	21,200	307,400
Polk	14,000	19,400	271,600	13,800	20,000	276,000
Portage	11,900	22,600	268,940	11,900	22,900	272,510
Price	4,600	20,700	95,220	4,400	21,000	92,400
Racine	3,300	26,100	86,130	3,100	26,700	82,770

MILK COWS: PRODUCTION PER COW AND TOTAL MILK PRODUCTION, BY COUNTY, WISCONSIN, 2019-2020

County	2019			2020		
	Number of cows 1/	Milk per cow	Production	Number of cows 1/	Milk per cow	Production
	Number	Pounds	1,000 lbs.	Number	Pounds	1,000 lbs.
Richland	14,800	20,600	304,880	14,600	20,500	299,300
Rock	17,700	25,500	451,350	18,300	25,500	466,650
Rusk	9,000	20,800	187,200	8,900	21,200	188,680
Sauk	20,500	21,600	442,800	20,000	21,600	432,000
Sawyer	3,100	21,800	67,580	3,200	22,300	71,360
Shawano	37,000	26,200	969,400	39,000	26,900	1,049,100
Sheboygan	28,000	26,600	744,800	27,500	26,600	731,500
St. Croix	17,000	24,200	411,400	16,800	24,800	416,640
Taylor	14,800	20,600	304,880	14,500	21,100	305,950
Trempealeau	20,000	21,100	422,000	19,400	21,300	413,220
Vernon	18,000	18,500	333,000	17,300	18,700	323,510
Vilas 2/	-	-	-	-	-	-
Walworth	14,200	27,700	393,340	14,000	28,100	393,400
Washburn	2,800	23,900	66,920	2,700	23,900	64,530
Washington	15,800	26,600	420,280	15,000	27,100	406,500
Waukesha	1,800	26,600	47,880	1,800	26,500	47,700
Waupaca	23,000	24,600	565,800	23,000	24,800	570,400
Waushara	6,000	25,700	154,200	5,900	26,200	154,580
Winnebago	14,700	25,100	368,970	14,600	25,200	367,920
Wood	17,500	22,200	388,500	17,100	22,400	383,040
Wisconsin	1,268,000	24,123	30,588,000	1,259,000	24,408	30,730,000

1/Average number of milk cows on farms during year, excluding heifers not yet fresh. 2/Not published, but included in state total. Source: Wisconsin Department of Agriculture, Trade, and Consumer Protection



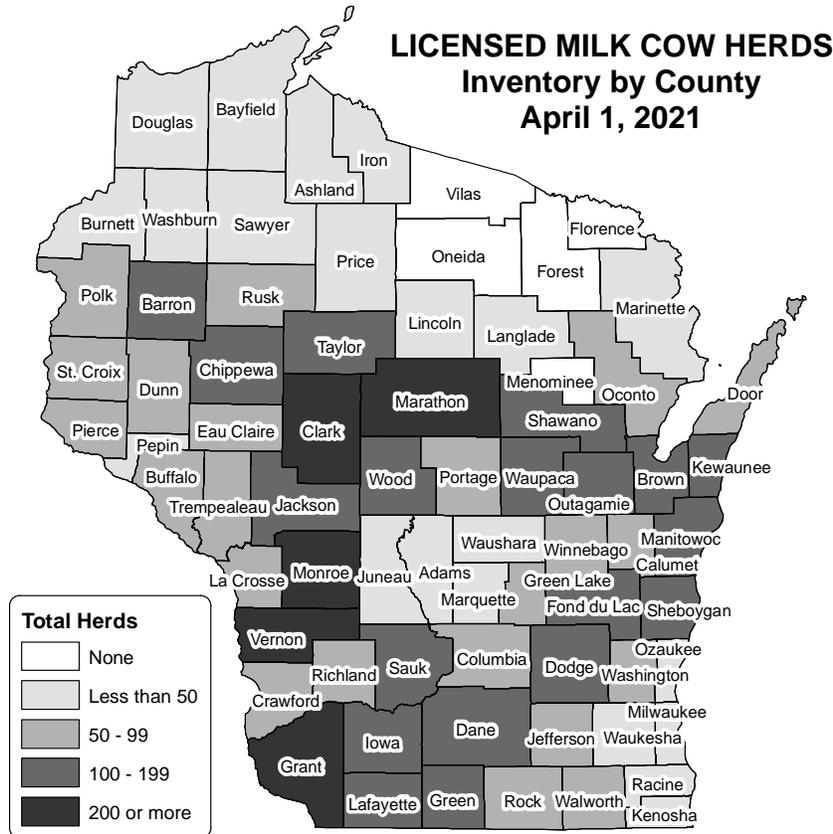
WISCONSIN MILK COW HERDS BY TYPE OF MILK PRODUCED: NUMBER AND PERCENT BY COUNTY, 2021 1/

County	Total Grade A		Total Grade B			Percent of total	Total herds
	Herds	Percent of total	Herds				
			Bulk	Can	Total		
Adams	10	100%	0	0	0	0%	10
Ashland	11	100%	0	0	0	0%	11
Barron	116	96%	5	0	5	4%	121
Bayfield	13	100%	0	0	0	0%	13
Brown	112	99%	1	0	1	1%	113
Buffalo	84	100%	0	0	0	0%	84
Burnett	22	92%	1	1	2	8%	24
Calumet	76	100%	0	0	0	0%	76
Chippewa	189	98%	4	0	4	2%	193
Clark	614	87%	16	78	94	13%	708
Columbia	66	73%	0	25	25	27%	91
Crawford	58	98%	1	0	1	2%	59
Dane	194	97%	4	1	5	3%	199
Dodge	175	100%	0	0	0	0%	175
Door	51	98%	1	0	1	2%	52
Douglas	6	100%	0	0	0	0%	6
Dunn	87	96%	4	0	4	4%	91
Eau Claire	45	58%	5	28	33	42%	78
Florence	0	0%	0	0	0	0%	0
Fond du Lac	172	99%	2	0	2	1%	174
Forest	0	0%	0	0	0	0%	0
Grant	296	99%	3	0	3	1%	299
Green	148	87%	23	0	23	13%	171
Green Lake	33	61%	1	20	21	39%	54
Iowa	134	94%	9	0	9	6%	143
Iron	4	100%	0	0	0	0%	4
Jackson	71	66%	6	31	37	34%	108
Jefferson	74	100%	0	0	0	0%	74
Juneau	47	100%	0	0	0	0%	47
Kenosha	18	100%	0	0	0	0%	18
Kewaunee	111	97%	4	0	4	3%	115
La Crosse	55	98%	1	0	1	2%	56
Lafayette	192	96%	7	0	7	4%	199
Langlade	31	100%	0	0	0	0%	31
Lincoln	25	96%	1	0	1	4%	26
Manitowoc	166	99%	1	0	1	1%	167
Marathon	395	95%	22	0	22	5%	417
Marinette	45	100%	0	0	0	0%	45
Marquette	15	58%	3	8	11	42%	26
Milwaukee	0	0%	1	0	1	100%	1
Monroe	113	52%	2	102	104	48%	217
Oconto	93	99%	1	0	1	1%	94
Oneida	0	100%	0	0	0	0%	0
Outagamie	133	98%	3	0	3	2%	136
Ozaukee	34	100%	0	0	0	0%	34
Pepin	38	97%	1	0	1	3%	39
Pierce	87	100%	0	0	0	0%	87
Polk	77	99%	1	0	1	1%	78
Portage	69	97%	2	0	2	3%	71
Price	30	94%	2	0	2	6%	32
Racine	16	100%	0	0	0	0%	16
Richland	67	89%	3	5	8	11%	75
Rock	69	100%	0	0	0	0%	69
Rusk	78	95%	4	0	4	5%	82
St. Croix	87	98%	2	0	2	2%	89
Sauk	127	95%	7	0	7	5%	134
Sawyer	8	100%	0	0	0	0%	8
Shawano	192	96%	7	0	7	4%	199
Sheboygan	108	98%	2	0	2	2%	110
Taylor	163	95%	8	0	8	5%	171
Trempealeau	92	93%	5	2	7	7%	99
Vernon	117	47%	4	126	130	53%	247

WISCONSIN MILK COW HERDS BY TYPE OF MILK PRODUCED: NUMBER AND PERCENT BY COUNTY, 2021 1/

County	Total Grade A		Total Grade B			Total herds	
	Herds	Percent of total	Herds				Percent of total
			Bulk	Can	Total		
Walworth	48	96%	2	0	2	4%	50
Washburn	12	100%	0	0	0	0%	12
Washington	73	100%	0	0	0	0%	73
Waukesha	15	100%	0	0	0	0%	15
Waupaca	113	96%	5	0	5	4%	118
Waushara	20	100%	0	0	0	0%	20
Winnebago	52	100%	0	0	0	0%	52
Wood	136	98%	3	0	3	2%	139
Wisconsin	6,228	91%	190	427	617	9%	6,845

1/ Based on data from the Dairy Producer License list as of April 1, 2021, Division of Food and Recreational Safety, Wisconsin Department of Agriculture, Trade and Consumer Protection.



NUMBER OF MILK COW HERDS: BY MONTHS, WISCONSIN, 2018-2021 1/

Month	2018	2019	2020	2021
January	8,801	8,110	7,292	6,932
February	8,760	8,046	7,258	6,907
March	8,719	7,983	7,228	6,892
April	8,649	7,898	7,198	6,845
May	8,595	7,808	7,168	6,804
June	8,517	7,722	7,123	6,774
July	8,463	7,661	7,079	6,755
August	8,419	7,619	7,049	6,742
September	8,372	7,559	7,026	
October	8,304	7,476	7,003	
November	8,217	7,392	6,966	
December	8,163	7,337	6,949	

1/Based on data from the Dairy Producer License list as of the beginning of the month, Division of Food and Recreational Safety, Wisconsin Department of Agriculture, Trade and Consumer Protection.

NUMBER OF MILK GOAT AND SHEEP HERDS: BY MONTHS, WISCONSIN, 2018-2021 1/

Month	2018	2019	2020	2021
January	353	371	342	328
February	372	371	340	327
March	376	382	346	329
April	369	379	343	327
May	399	377	347	327
June	397	374	343	333
July	394	370	339	315
August	392	367	336	310
September	388	360	334	
October	386	361	330	
November	385	351	328	
December	374	349	328	

1/Based on data from the Dairy Producer License list as of the beginning of the month, Division of Food Recreational Safety, Wisconsin Department of Agriculture, Trade and Consumer Protection.

MILK COW NUMBERS: BY MONTHS, WISCONSIN, 2016-2020 1/

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	1,000 head												
2016	1,280	1,280	1,280	1,279	1,279	1,278	1,278	1,278	1,277	1,277	1,278	1,279	1,279
2017	1,280	1,280	1,280	1,279	1,279	1,278	1,278	1,278	1,277	1,277	1,277	1,276	1,278
2018	1,275	1,275	1,274	1,274	1,274	1,274	1,274	1,274	1,273	1,273	1,272	1,271	1,274
2019	1,270	1,270	1,270	1,269	1,269	1,268	1,268	1,267	1,266	1,265	1,264	1,262	1,268
2020	1,260	1,260	1,260	1,260	1,257	1,257	1,257	1,257	1,256	1,257	1,260	1,260	1,259

1/Excludes heifers not yet fresh.

MILK PRODUCTION PER COW: BY MONTHS, WISCONSIN, 2016-2020

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	Pounds												
2016	1,965	1,855	2,000	1,965	2,065	1,985	2,010	1,990	1,910	1,950	1,895	1,960	23,542
2017	1,980	1,820	2,035	1,985	2,055	1,980	2,025	2,025	1,930	1,995	1,910	1,990	23,735
2018	2,000	1,825	2,045	1,985	2,090	2,030	2,065	2,060	1,965	1,995	1,925	2,025	24,002
2019	2,060	1,860	2,055	2,000	2,095	2,040	2,050	2,070	1,975	2,010	1,915	2,005	24,123
2020	2,045	1,930	2,080	2,000	2,060	2,040	2,070	2,080	2,005	2,055	1,985	2,070	24,408

MILK PRODUCTION: BY MONTHS, WISCONSIN, 2016-2020

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	Million pounds												
2016	2,515	2,374	2,560	2,513	2,641	2,537	2,569	2,543	2,439	2,490	2,422	2,507	30,110
2017	2,534	2,330	2,605	2,539	2,628	2,530	2,588	2,588	2,465	2,548	2,439	2,539	30,333
2018	2,550	2,327	2,605	2,529	2,663	2,586	2,631	2,624	2,501	2,540	2,449	2,574	30,579
2019	2,616	2,362	2,610	2,538	2,659	2,587	2,599	2,623	2,500	2,543	2,421	2,530	30,588
2020	2,577	2,432	2,621	2,520	2,589	2,564	2,602	2,615	2,518	2,583	2,501	2,608	30,730

AVERAGE HERD SIZE: ALL DAIRY FARMS & DHI FARMS, WISCONSIN, SELECTED YEARS

Year	All herds 1/	DHI herds 2/
	Number	
1970	28.3	37.7
1975	34.2	43.4
1980	40.3	49.0
1985	45.8	50.1
1990	50.9	52.8
1995	53.2	60.2
2000	64.0	78.3
2005	80.8	98.8
2010	99.3	137.4
2015	129.2	180.6
2020	177.1	271.8

1/Prior to 2008, average herd size was calculated as number of milk cows divided by number of operations having at least one milk cow during the year. Starting in 2009, average herd size is calculated as number of milk cows divided by licensed milk cow herds. 2/ Source: DHI.

MILK COWS AND PRODUCTION: UNITED STATES, 2016-2020

Year	Milk cows 1/	Milk per cow 2/	Total production 2/
	1,000 head	Pounds	Million pounds
2016	9,334	22,761	212,451
2017	9,406	22,914	215,527
2018	9,398	23,150	217,568
2019	9,337	23,395	218,441
2020	9,388	23,777	223,220

1/Average number of milk cows on farms during year, excluding heifers not yet fresh. 2/Excludes milk sucked by calves.

**MILK PRICES AND MILKFAT CONTENT:
WISCONSIN, 2020**

Month	Milk, all uses	
	Price	Milkfat
	Dollars per cwt.	Percent
January	19.50	3.97
February	19.20	3.97
March	18.10	3.94
April	14.30	3.92
May	13.70	3.87
June	19.80	3.79
July	22.30	3.75
August	19.40	3.79
September	17.90	3.90
October	21.60	4.05
November	22.80	4.07
December	18.10	4.10
Annual	18.90	3.92

**DISPOSITION OF MILK SOLD: WISCONSIN,
SELECTED YEARS**

Year	Grade A	Percent	Grade B	Percent	Total
	Mil. lbs.		Mil. lbs.		Mil. lbs.
1955	4,950	32	10,509	68	15,459
1960	6,334	37	10,576	63	16,910
1965	7,688	42	10,450	58	18,138
1970	9,667	54	8,189	46	17,856
1975	11,652	63	6,703	37	18,355
1980	15,425	71	6,433	29	21,858
1985	18,265	75	5,965	25	24,230
1990	20,512	86	3,338	14	23,850
1995	20,818	92	1,854	8	22,672
2000	21,598	94	1,379	6	22,977
2005	21,709	96	905	4	22,614
2010	25,244	98	515	2	25,759
2015	28,483	99	288	1	28,771
2020	30,170	99	305	1	30,475

**MILK PRICES AND MILKFAT CONTENT:
WISCONSIN, 2016-2020**

Year	Milk, all uses	
	Price	Milkfat
	Dollars per cwt.	Percent
2016	16.80	3.78
2017	18.10	3.82
2018	16.50	3.89
2019	18.80	3.90
2020	18.90	3.92

**MILK COW PRICES RECEIVED BY FARMERS:
WISCONSIN, 2016-2020**

Year	Jan.	April	July	Oct.
	Dollars per head			
2016	1,910	1,910	1,820	1,760
2017	1,730	1,710	1,650	1,610
2018	1,470	1,320	1,250	1,180
2019	1,120	1,130	1,210	1,270
2020	1,260	1,250	1,350	1,420

**UPPER MIDWEST MARKET ORDER AVERAGE WEIGHTED HAULING CHARGES:
BY COUNTY, WISCONSIN, MAY 2020**

County	Dollars per cwt.	County	Dollars per cwt.	County	Dollars per cwt.
Adams	0.01	Iowa	0.39	Price	0.14
Ashland	0.35	Iron	0.67	Racine	0.71
Barron	0.17	Jackson	0.22	Richland	0.42
Bayfield	0.51	Jefferson	0.37	Rock	0.20
Brown	0.22	Juneau	0.43	Rusk	0.48
Buffalo	0.20	Kenosha	0.77	St Croix	0.16
Burnett	0.18	Kewaunee	0.09	Sauk	0.45
Calumet	0.33	La Crosse	0.37	Sawyer	0.42
Chippewa	0.25	LaFayette	0.35	Shawano	0.19
Clark	0.15	Langlade	0.16	Sheboygan	0.33
Columbia	0.35	Lincoln	0.29	Taylor	0.26
Crawford	0.53	Manitowoc	0.20	Trempealeau	0.29
Dane	0.35	Marathon	0.12	Vernon	0.49
Dodge	0.38	Marinette	0.33	Walworth	0.38
Door	0.16	Marquette	0.18	Washburn	0.13
Douglas	0.50	Monroe	0.43	Washington	0.32
Dunn	0.34	Oconto	0.18	Waukesha	0.62
Eau Claire	0.26	Outagamie	0.10	Waupaca	0.18
Florence	(D)	Ozaukee	0.31	Waushara	0.06
Fond du Lac	0.17	Pepin	0.20	Winnebago	0.13
Grant	0.39	Pierce	0.28	Wood	0.12
Green	0.22	Polk	0.17		
Green Lake	0.13	Portage	0.10	Wisconsin	0.25

(D) Not published to avoid disclosing individual operations. Source: Agricultural Marketing Service, FMMO 30

**NUMBERS AND AVERAGE PRODUCTION OF COWS ON DHI TEST,
WISCONSIN AND UNITED STATES, 2019-2020**

Area and kind	Herds		Milk Cows		Production per cow						
	2019	2020	2019	2020	2019 1/			2020 1/			
					Milk	Fat	Protein	Milk	Fat	Protein	
	Number				Pounds						
WISCONSIN											
Official	1,954	1,716	624,927	587,122	26,805	1,037	837	27,129	1,061	852	
Non-official (management)	1,138	852	128,910	110,845	23,317	930	723	24,166	962	751	
Total	3,092	2,568	753,837	697,967	26,209	1,019	818	26,658	1,045	836	
UNITED STATES											
Official	9,742	8,789	3,617,152	3,518,744	24,787	970	789	25,103	992	801	
Non-official (management)	4,174	3,751	553,465	517,998	22,340	541	366	23,089	907	723	
Total	13,916	12,540	4,170,617	4,036,742	24,462	913	733	24,845	981	791	

1/ Milk, fat, and protein totals are weighted based on number of milk cows.

MARKETINGS, INCOME, AND VALUE OF MILK PRODUCTION: WISCONSIN, 2016-2020

Year	Combined marketings of milk and cream				Used for milk, cream, and butter by producers		Gross producer income 1/	Value of milk produced 2/ 3/
	Milk utilized	Average returns		Cash receipts from marketings	Milk utilized	Value		
		Per cwt. milk	Per lb. milkfat					
	Million lbs.	Dollars		1,000 dollars	Million lbs.	1,000 dollars		
2016	29,850	16.80	4.44	5,014,800	16	2,688	5,017,488	5,058,480
2017	30,080	18.10	4.74	5,444,480	14	2,534	5,447,014	5,490,273
2018	30,320	16.50	4.24	5,002,800	14	2,310	5,005,110	5,045,535
2019	30,335	18.80	4.82	5,702,980	13	2,444	5,705,424	5,750,544
2020	30,475	18.90	4.82	5,759,775	12	2,268	5,762,043	5,807,970

1/Cash receipts from marketings of milk and cream plus value of milk used for home consumption. 2/Includes value of milk fed to calves. 3/Value at average returns per 100 pounds of milk in combined marketings of milk and cream.

**WEIGHTED AVERAGE LEVELS OF COMPONENTS &
SOMATIC CELL COUNT IN MILK ASSOCIATED WITH
THE UPPER MIDWEST MILK MARKETING ORDER,
2020**

Month	Protein	Other solids	Solids not-fat	Somatic cell count
	Percent			Average
January	3.20	5.74	8.94	163
February	3.19	5.75	8.94	162
March	3.17	5.76	8.93	163
April	3.14	5.77	8.91	162
May	3.11	5.78	8.89	163
June	3.03	5.79	8.82	173
July	2.98	5.78	8.76	192
August	3.03	5.78	8.81	186
September	3.13	5.78	8.91	180
October	3.21	5.78	8.99	161
November	3.23	5.77	9.00	156
December	3.27	5.77	9.04	161
Average	3.14	5.77	8.91	169

Source: Agricultural Marketing Service, Dairy Division, FMMO 30.

MILK PRODUCTION COSTS AND RETURNS: WISCONSIN AND UNITED STATES, 2019-2020

Item	Wisconsin		United States	
	2019	2020	2019	2020
	Dollars per cwt.			
Gross value of production:				
Milk sold	20.25	20.10	19.24	18.85
Cattle	1.18	1.22	1.23	1.27
Other income 1/	0.47	0.48	0.53	0.54
Total, gross value of production	21.90	21.80	21.00	20.66
Operating costs:				
Feed--				
Purchased feed	5.15	4.95	7.20	6.93
Homegrown harvested feed	3.87	3.65	3.32	3.13
Grazed feed	0.09	0.08	0.07	0.07
Total, feed costs	9.11	8.68	10.59	10.13
Other--				
Veterinary and medicine	0.96	0.96	0.78	0.78
Bedding and litter	0.32	0.32	0.20	0.20
Marketing	0.17	0.17	0.19	0.18
Custom services	0.61	0.61	0.67	0.67
Fuel, lube, and electricity	0.88	0.86	0.69	0.67
Repairs	0.81	0.82	0.66	0.67
Cost for third party organic certification	0.01	0.01	0.00	0.00
Interest on operating capital	0.13	0.03	0.14	0.03
Total, operating cost	13.00	12.46	13.92	13.33
Allocated overhead:				
Hired labor	2.02	2.08	2.10	2.20
Opportunity cost of unpaid labor	2.85	2.92	1.88	1.92
Capital recovery of machinery and equipment 2/	4.40	4.45	4.10	4.14
Opportunity cost of land (rental rate)	0.03	0.03	0.02	0.02
Taxes and insurance	0.24	0.24	0.18	0.18
General farm overhead	0.67	0.69	0.57	0.58
Total, allocated overhead	10.21	10.41	8.85	9.04
Total costs listed	23.21	22.87	22.77	22.37
Value of production less total costs listed	-1.31	-1.07	-1.77	-1.71
Value of production less operating costs	8.90	9.34	7.08	7.33
Supporting information:				
Milk cows (head per farm)	153	153	245	245
Output per cow (pounds)	23,382	23,382	21,698	21,698

1/ Income from renting or leasing dairy stock to other operations; renting space to other dairy operations; co-op patronage dividends associated with the dairy; assessment rebates, refunds, and other dairy-related resources; and the fertilizer value of manure production. 2/ Machinery and equipment, housing, manure handling, feed storage structures, and dairy breeding herd. Source: USDA, Economic Research Service.

CHEESE PRODUCTION: WISCONSIN, 2016-2020

Year	Total Cheese 1/	Total American 2/	Hispanic	Italian	Mozzarella	Muenster	Swiss
1,000 pounds							
2016	3,248,440	963,413	85,403	1,642,286	1,092,440	60,232	18,201
2017	3,376,769	1,016,702	90,982	1,703,029	1,110,105	61,690	16,664
2018	3,422,961	1,025,840	93,395	1,729,627	1,138,200	61,871	17,377
2019	3,362,487	1,003,026	96,838	1,698,934	1,110,363	63,837	16,976
2020	3,389,763	1,063,446	105,068	1,645,934	1,078,817	69,397	15,023

1/ Includes cream cheese and other miscellaneous types of cheese. Does not include cottage cheese. 2/ Includes Cheddar, Colby, washed curd, stirred curd, and Monterey Jack.

**PROCESSED CHEESE AND CHEESE FOODS:
WISCONSIN, 2016-2020**

Year	Processed cheese	Processed cheese foods & spreads	Cold pack cheese & cheese food
1,000 pounds			
2016	703,388	184,271	21,867
2017	716,886	161,199	25,813
2018	694,099	162,822	24,647
2019	578,332	336,831	25,116
2020	625,357	178,225	31,840

WHEY PRODUCTS: WISCONSIN, 2016-2020

Year	Dry whey		Total lactose	Whey protein concentrate human food
	Human food	Animal		
1,000 pounds solids				
2016	312,946	4,390	259,609	103,949
2017	345,567	3,795	278,454	107,971
2018	319,747	6,240	285,464	109,894
2019	285,831	4,791	260,280	105,503
2020	280,226	(D)	214,406	101,258

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

**AMERICAN CHEESE PRODUCTION, BY STYLE:
WISCONSIN, 2020**

Style	Production	Percent of total 1/
1,000 lbs.		
American Cheddar		
40-lb block	268,148	25.2
640-lb block	331,514	31.2
Other types 2/	143,574	13.5
Colby	89,050	8.4
Monterey Jack	231,160	21.7
Total American types	1,063,446	100.0

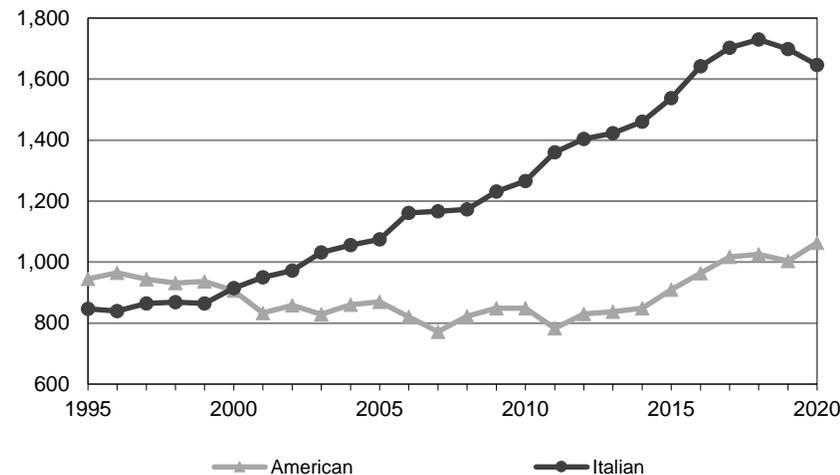
1/ Percents may not add to 100 due to rounding. 2/ Includes barrels.

**ITALIAN CHEESE PRODUCTION, BY STYLE:
WISCONSIN, 2020**

Style	Production	Percent of total
1,000 lbs.		
Hard		
Asiago	30,873	1.9
Parmesan	220,274	13.4
Provolone	193,497	11.8
Romano	31,009	1.9
Soft		
Mozzarella	1,078,817	65.4
All other	91,464	5.6
All Italian	1,645,934	100.0

1/ Percents may not add to 100 due to rounding.

**AMERICAN & ITALIAN CHEESE PRODUCTION
Wisconsin, 1995-2020**



**TOTAL CHEESE, EXCLUDING COTTAGE
CHEESE: WISCONSIN, 2020**

Ranges of annual production	State plants	Production
	No.	1,000 lbs.
Less than 1 million lbs.	34	7,309
1 to 4.99 million lbs.	20	47,992
5 to 9.99 million lbs.	17	92,907
10 to 24.99 million lbs.	14	231,726
25 million lbs. and over	35	3,009,849
Total	120	3,389,783

CHEDDAR CHEESE: WISCONSIN, 2020

Ranges of annual production 1/	State plants	Production
	No.	1,000 lbs.
Less than 1 million lbs.	36	7,577
1 to 9.99 million lbs.	12	20,948
10 million lbs. and over	17	714,711
Total	65	743,236

1/ Plant qualifies for a certain range based only on its Cheddar production.

ITALIAN CHEESE: WISCONSIN, 2020

Ranges of annual production 1/	State plants	Production
	No.	1,000 lbs.
Less than 1 million lbs.	17	3,458
1 to 19.99 million lbs.	12	115,944
20 million lbs. and over	23	1,526,532
Total	52	1,645,934

1/ Plant qualifies for a certain range based only on its Italian production.

MOZZARELLA CHEESE: WISCONSIN, 2020

Ranges of annual production 1/	State plants	Production
	No.	1,000 lbs.
Less than 1 million lbs.	11	2,633
1 to 19.99 million lbs.	8	49,746
20 million lbs. and over	15	1,026,438
Total	34	1,078,817

1/ Plant qualifies for a certain range based only on its Mozzarella production.

SPECIALTY CHEESE PRODUCTION, WISCONSIN, 2019 AND 2020

Type	2019 number of producers	2019 revised production	2020 number of producers	2020 production	Change in production from 2019
		1,000 pounds		1,000 pounds	percent
Asiago	13	33,001	13	30,873	-6
Blue	(D)	(D)	8	46,335	(NA)
Cheddar 1/	44	30,199	40	36,340	20
Farmers	11	1,088	13	1,097	1
Feta	10	101,035	9	92,149	-9
Gorgonzola	8	16,547	7	13,908	-16
Gouda	28	14,527	32	13,753	-5
Italian Fontina	11	10,047	11	9,791	-3
Havarti	12	43,209	13	42,334	-2
Hispanic	16	96,838	19	105,068	8
Limburger	1	365	1	369	1
Monterey Jack 1/	16	13,126	16	17,142	31
Parmesan Wheel	6	74,656	6	77,558	4
Romano Wheel	6	9,773	7	10,049	3
Swiss 1/	6	4,075	8	3,846	-6
All Other 2/	50	368,453	42	295,571	-20
Total 3/ 4/	96	816,939	91	796,183	-3

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. 1/ Includes only specialty types of this variety. 2/ Combined to avoid disclosure of individual plant data. Includes: Alpine, American Grana, Auribella, Bel Paese, Blue (2019 only), Brie and Camembert, Butterkase, specialty Colby, Edam, Fior di Latte, Fontinella, Gruyere, other specialty Italian, Italico, Juustoleipa, Kasserer, Mascarpone, Middle Eastern cheeses, specialty Mozzarella, other specialty Parmesan, Pepato, Peperon, specialty Provolone, other specialty Romano, Soft-ripened, Tvarog Polish, and Yogurt cheese. 3/ Total cheese plants producing one or more specialty cheeses. 4/ Data may not add to totals due to rounding.

DAIRY PLANTS MAKING SELECTED PRODUCTS: WISCONSIN, SELECTED YEARS 1/

Product	1970	1980	1985	1990	1995	2000	2005	2010	2015	2020
	Number of dairy plants									
Butter	74	35	25	15	14	12	10	(D)	(D)	(D)
Cheese										
American	368	250	198	117	85	71	63	60	64	65
Cheddar	330	209	180	99	79	65	62	59	64	65
Hispanic	(NA)	(NA)	(NA)	(NA)	(NA)	8	20	17	13	19
Italian	66	57	58	51	52	48	53	56	63	52
Mozzarella	(NA)	44	48	43	42	35	40	41	39	34
Muenster	51	43	48	34	31	26	25	26	19	22
Swiss	41	20	22	14	11	10	(D)	(D)	9	11
Total cheese 2/	481	334	284	188	142	125	114	128	127	120
Dry whey, human food	19	14	16	12	11	10	9	9	10	8
Ice cream mix (regular)	41	21	23	17	12	10	12	(D)	14	11
Total manufacturing one or more dairy products	667	425	400	286	230	205	196	210	203	196

1/ Includes only plants actually making specified product, rather than all plants licensed to make specified product. 2/ Excludes cottage and processed cheese. (D) Not published to avoid disclosing individual operations. (NA) Not available.

DAIRY PRODUCT PRICE AVERAGES: BY MONTHS, UNITED STATES, 2016-2020 1/

Year	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
	Dollars per pound											
	BUTTER (GRADE AA, 80% BUTTERFAT, SALTED, FRESH, OR STORAGE)											
2016	2.076	2.135	1.991	2.019	2.058	2.162	2.316	2.225	2.078	1.864	1.909	2.100
2017	2.257	2.176	2.168	2.116	2.164	2.407	2.604	2.658	2.530	2.372	2.281	2.232
2018	2.197	2.111	2.176	2.245	2.338	2.376	2.260	2.319	2.272	2.281	2.268	2.243
2019	2.234	2.264	2.274	2.267	2.295	2.366	2.389	2.366	2.234	2.156	2.087	1.984
2020	1.915	1.808	1.755	1.263	1.307	1.707	1.789	1.515	1.487	1.525	1.456	1.443
	NONFAT DRY MILK, (EXTRA GRADE AND USPH GRADE A, NONFORTIFIED)											
2016	0.778	0.769	0.752	0.731	0.761	0.789	0.836	0.859	0.885	0.922	0.912	0.958
2017	1.023	0.993	0.849	0.839	0.870	0.914	0.899	0.873	0.850	0.810	0.755	0.724
2018	0.697	0.708	0.696	0.713	0.794	0.815	0.782	0.811	0.855	0.874	0.886	0.902
2019	0.951	0.980	0.959	0.964	1.015	1.043	1.039	1.034	1.052	1.096	1.154	1.216
2020	1.245	1.245	1.116	0.955	0.849	0.911	0.972	0.962	1.001	1.067	1.082	1.095
	CHEDDAR CHEESE (NATURAL, UNAGED) 2/											
2016	1.518	1.517	1.516	1.504	1.410	1.448	1.642	1.812	1.751	1.583	1.760	1.799
2017	1.701	1.687	1.555	1.496	1.539	1.629	1.543	1.666	1.661	1.725	1.762	1.648
2018	1.518	1.473	1.554	1.574	1.635	1.615	1.487	1.554	1.653	1.569	1.446	1.374
2019	1.387	1.394	1.538	1.647	1.697	1.691	1.824	1.828	1.905	1.969	2.172	2.051
2020	1.809	1.788	1.709	1.403	1.299	2.215	2.587	2.110	1.774	2.292	2.454	1.643
	DRY WHEY (EXTRA GRADE, EDIBLE, NONHYGROSCOPIC)											
2016	0.235	0.247	0.248	0.247	0.251	0.260	0.274	0.285	0.306	0.330	0.369	0.399
2017	0.442	0.489	0.524	0.524	0.509	0.492	0.451	0.435	0.417	0.379	0.359	0.303
2018	0.276	0.253	0.253	0.259	0.271	0.309	0.337	0.368	0.403	0.447	0.463	0.469
2019	0.481	0.455	0.413	0.392	0.378	0.364	0.363	0.367	0.370	0.340	0.307	0.329
2020	0.337	0.369	0.375	0.373	0.382	0.364	0.344	0.334	0.320	0.348	0.383	0.417

1/ The commodity prices are AMS Dairy Product Price Averages used in the Federal Milk Order Price Formulas for Class II (butterfat), Class III, and Class IV. 2/ Cheddar cheese price is a combination of the 40-lb. cheddar block and 500-lb. cheddar barrel as used in the AMS formulas. Source: Agricultural Marketing Service (AMS).

DAIRY PRODUCTS: PER CAPITA CONSUMPTION, UNITED STATES, SELECTED YEARS

Year	Fluid milk & cream	Butter	Natural cheese	Cottage cheese	Evaporated & condensed milk	Ice cream	Lowfat ice cream	Nonfat dry milk	All dairy products, milk equivalent milkfat basis
	Pounds								
1970	273.4	5.4	11.4	5.1	12.0	16.7	6.3	5.3	563.9
1975	257.8	4.7	14.3	4.6	8.7	18.2	6.5	3.3	539.1
1980	241.2	4.5	17.5	4.4	7.0	17.1	6.1	3.0	543.1
1985	234.6	4.9	22.5	4.0	7.5	17.7	5.9	2.3	593.7
1990	226.6	4.3	24.6	3.3	7.9	15.4	6.6	2.9	568.0
1995	211.7	4.6	26.7	2.7	6.5	15.0	7.0	3.4	572.1
2000	202.7	4.5	29.5	2.6	5.8	16.1	6.6	2.7	591.1
2005	192.9	4.5	31.3	2.6	6.1	15.1	6.0	4.2	604.3
2010	177.7	4.9	32.7	2.3	7.2	14.0	6.5	3.2	604.1
2015	155.1	5.6	35.1	2.1	7.7	12.9	6.5	3.3	629.8
2019	141.7	6.2	38.3	2.1	6.7	12.1	6.6	2.7	652.6

Source: USDA, Economic Research Service

SELECTED CHEESE: PER CAPITA CONSUMPTION, UNITED STATES, SELECTED YEARS

Year	Total American	Mozzarella	Other Italian	Total Italian	Swiss	Brick & Muenster	Cream & Neufchatel	Blue & Gorgonzola	Hispanic	All cheese	Processed cheese 1/
	Pounds										
1970	7.0	1.2	0.8	2.0	0.9	0.3	0.6	0.1	(NA)	11.4	5.5
1975	8.1	2.1	1.1	3.2	1.1	0.3	0.7	0.2	(NA)	14.3	6.7
1980	9.6	3.0	1.4	4.4	1.3	0.4	1.0	0.2	(NA)	17.5	7.0
1985	12.2	4.6	1.8	6.4	1.3	0.4	1.2	0.2	(NA)	22.5	7.6
1990	11.1	6.9	2.0	8.9	1.3	0.5	1.7	0.2	(NA)	24.6	8.6
1995	11.7	7.9	2.1	10.0	1.1	0.4	2.0	0.2	(NA)	26.9	8.7
2000	12.7	9.1	2.4	11.4	1.0	0.3	2.4	(NA)	0.3	29.8	8.1
2005	12.6	9.9	2.7	12.7	1.2	0.3	2.4	(NA)	0.6	31.6	7.6
2010	13.3	10.6	3.0	13.5	1.2	0.4	2.3	0.3	0.7	32.9	6.6
2015	14.0	11.3	3.2	14.5	1.1	0.5	2.5	0.3	0.7	35.4	7.3
2019	15.5	12.5	3.4	15.9	1.1	0.6	2.6	0.3	0.9	38.6	7.0

(NA) Not available. 1/ Cheese content of processed cheese has been included in all cheese. Source: USDA, Economic Research Service

MEAT: PER CAPITA CONSUMPTION, (BONELESS, TRIMMED EQUIVALENT), UNITED STATES, SELECTED YEARS 1/

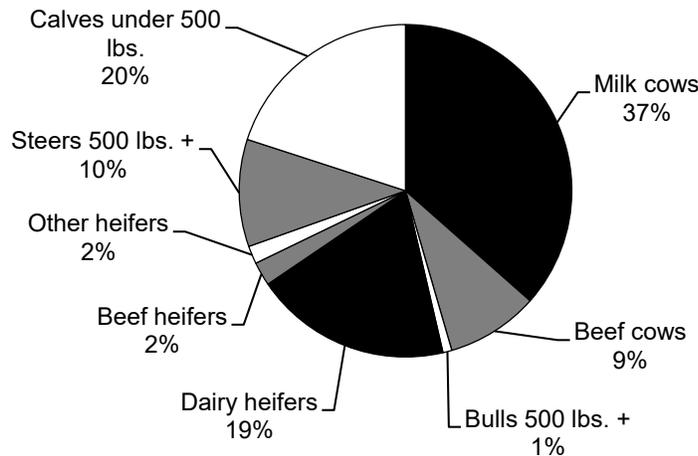
Year	Beef	Veal	Pork	Lamb	Total red	Chicken	Turkey	Fish & shellfish	Total meat, poultry, & fish
	Pounds								
1970	79.8	2.0	48.5	2.1	132.5	27.4	6.4	11.7	178.1
1975	83.2	2.8	38.4	1.3	125.8	26.4	6.5	12.1	170.8
1980	72.1	1.3	52.1	1.0	126.4	32.7	8.1	12.4	179.6
1985	74.6	1.5	47.7	1.1	124.9	36.4	9.1	15.0	185.4
1990	63.9	0.9	46.4	1.0	112.2	42.5	13.8	14.9	183.5
1995	63.5	0.8	48.4	0.9	113.6	48.2	13.9	14.8	190.4
2000	64.5	0.5	47.8	0.8	113.7	54.2	13.7	15.2	196.8
2005	62.5	0.4	46.5	0.8	110.2	60.5	13.2	16.2	200.0
2010	56.7	0.3	44.4	0.7	102.0	58.0	12.9	15.8	188.8
2015	51.4	0.2	46.3	0.7	98.6	62.6	12.6	15.5	189.3
2019	55.4	0.2	48.8	0.8	105.2	67.0	12.6	NA	184.8

1/ Data may not add due to rounding. Source: USDA, Economic Research Service

CATTLE AND CALVES: NUMBER ON FARMS, WISCONSIN, JANUARY 1, 2017-2021

Year	All cattle and calves	Milk cows	Beef cows	Bulls 500 lbs. +	Replacement heifers 500 lbs. +		Other heifers 500 lbs. +	Steers 500 lbs. +	Calves under 500 lbs.
					Dairy	Beef			
1,000 head									
2017	3,550	1,280	290	30	710	80	50	400	710
2018	3,500	1,275	285	30	700	80	50	380	700
2019	3,450	1,270	290	30	680	80	60	360	680
2020	3,450	1,260	310	30	690	90	50	340	680
2021	3,450	1,260	310	30	660	80	60	360	690

**CATTLE INVENTORY
Wisconsin, January 1, 2021**



CATTLE AND CALVES: INVENTORY, SUPPLY AND DISPOSITION, WISCONSIN, 2016-2020

Year	All cattle and calves January 1	Calf crop	Inshipment	Marketings		Farm slaughter	Deaths	
				Cattle	Calves	Cattle and calves	Cattle	Calves
1,000 head								
2016	3,500	1,420	143	905	403	5	65	135
2017	3,550	1,430	163	1,068	378	5	62	130
2018	3,500	1,420	163	1,061	375	4	63	130
2019	3,450	1,420	163	1,007	375	5	61	135
2020	3,450	1,400	116	941	376	5	64	130

CATTLE AND CALVES: PRODUCTION, AVERAGE PRICE, AND INCOME, WISCONSIN, 2016-2020

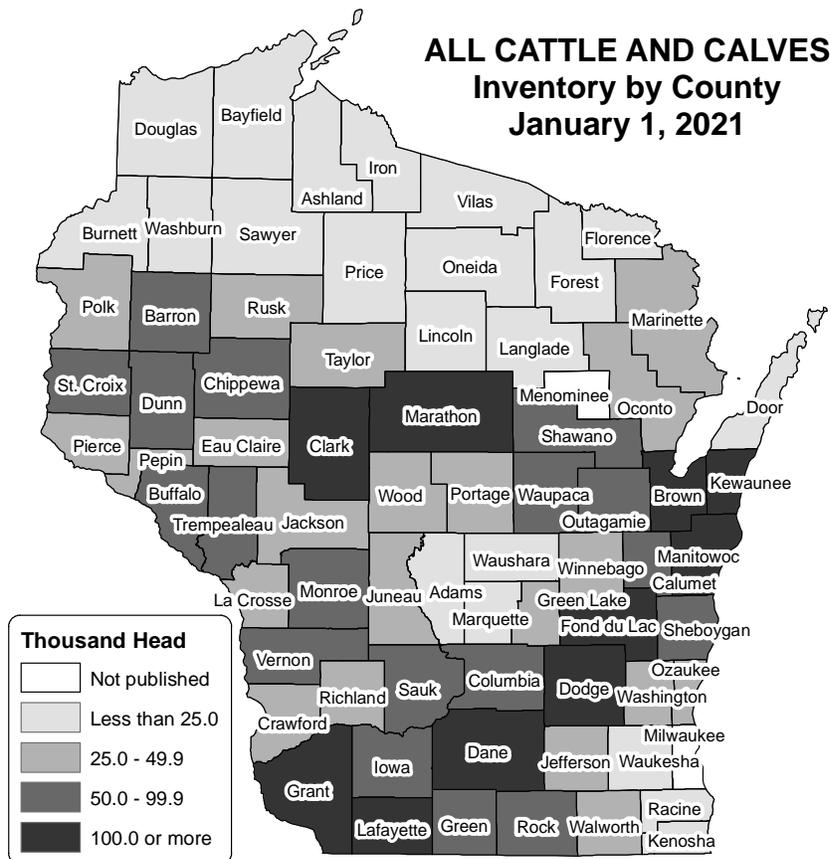
Year	Production	Marketings	Cash receipts	Value of home consumption	Gross income
				1,000 pounds	
2016	1,405,233	1,422,783	1,639,375	35,644	1,675,019
2017	1,527,467	1,646,915	1,846,035	28,501	1,874,536
2018	1,503,249	1,633,300	1,754,534	27,996	1,782,530
2019	1,471,516	1,540,575	1,633,874	31,019	1,664,893
2020	1,402,943	1,449,600	1,483,190	35,702	1,518,892

ALL CATTLE AND CALVES: BY COUNTY, WISCONSIN, JANUARY 1, 2020-2021 1/

County	2020	2021	County	2020	2021	County	2020	2021
	Head			Head			Head	
Adams	14,300	14,300	Kewaunee	105,000	105,000	Taylor	38,500	38,500
Ashland	9,200	9,200	La Crosse	26,000	26,000	Trempealeau	67,000	67,000
Barron	52,000	52,000	Lafayette	105,000	105,000	Vernon	71,000	71,000
Bayfield	7,700	7,700	Langlade	18,800	18,800	Vilas	100	100
Brown	125,000	125,000	Lincoln	10,400	10,400	Walworth	38,000	38,000
Buffalo	63,000	63,000	Manitowoc	110,000	110,000	Washburn	9,000	9,000
Burnett	13,300	13,300	Marathon	145,000	145,000	Washington	44,500	44,500
Calumet	69,000	69,000	Marinette	42,500	42,500	Waukesha	7,700	7,700
Chippewa	60,000	60,000	Marquette	19,300	19,300	Waupaca	55,000	55,000
Clark	160,000	160,000	Menominee	(D)	(D)	Waushara	15,800	15,800
Columbia	55,000	55,000	Milwaukee	(D)	(D)	Winnebago	29,500	29,500
Crawford	31,000	31,000	Monroe	67,000	67,000	Wood	43,000	43,000
Dane	155,000	155,000	Oconto	46,500	46,500			
Dodge	110,000	110,000	Oneida	1,000	1,000	Other Counties	100	100
Door	21,000	21,000	Outagamie	88,000	88,000			
Douglas	7,000	7,000	Ozaukee	26,000	26,000			
Dunn	51,000	51,000	Pepin	27,000	27,000			
Eau Claire	25,000	25,000	Pierce	46,000	46,000			
Florence	1,400	1,400	Polk	43,500	43,500			
Fond Du Lac	115,000	115,000	Portage	40,500	40,500			
Forest	2,800	2,800	Price	12,200	12,200			
Grant	175,000	175,000	Racine	10,000	10,000			
Green	69,000	69,000	Richland	46,000	46,000			
Green Lake	25,500	25,500	Rock	55,000	55,000			
Iowa	85,000	85,000	Rusk	25,000	25,000			
Iron	2,300	2,300	Sauk	66,000	66,000			
Jackson	42,000	42,000	Sawyer	6,900	6,900			
Jefferson	48,000	48,000	Shawano	84,000	84,000			
Juneau	27,000	27,000	Sheboygan	77,000	77,000			
Kenosha	9,700	9,700	St Croix	50,000	50,000			

Wisconsin 3,450,000 3,450,000

(D) Withheld to avoid disclosure of individual operations. Included in 'other counties.' 1/ Livestock county estimates are being set using raking. This process utilizes county level livestock information from the census of agriculture, administrative data, and current year state-level Agricultural statistics Board (ASB) inventory and production estimates. Full details on this new methodology are available at: www.nass.usda.gov/Data_and_Statistics/County_Data_Files/Livestock_County_Estimates/



HOGS: NUMBER ON FARMS, WISCONSIN, DECEMBER 1, 2016-2020

Year	All hogs and pigs	Breeding hogs	Market hogs				
			Total	< 50 lbs.	50-119 lbs.	120-179 lbs.	180 lbs. +
			1,000 head				
2016	335	45	290	102	67	61	60
2017	305	45	260	89	53	59	59
2018	320	44	276	83	59	69	65
2019	365	60	305	110	68	72	55
2020	400	58	342	122	72	83	65

HOGS: INVENTORY, SUPPLY AND DISPOSITION, WISCONSIN, 2016-2020

Year	Beginning inventory	Pig crop	Inshipment	Marketings	Farm slaughter	Deaths
			1,000 head			
2016	320	661	195	814	1	26
2017	335	772	193	961	1	34
2018	305	844	165	961	1	33
2019	320	1,085	155	1,159	1	36
2020	365	1,197	155	1,266	3	48

HOGS: PRODUCTION AND INCOME, WISCONSIN, 2016-2020

Year	Production	Marketings	Value of production	Cash receipts	Value of home consumption	Gross income	All hogs December 1 current year
	1,000 pounds		1,000 dollars				1,000 head
2016	142,431	150,758	84,912	97,927	667	98,594	335
2017	164,587	175,911	107,515	122,722	572	123,294	305
2018	170,366	174,966	109,827	120,474	683	121,157	320
2019	267,508	269,729	138,357	138,911	705	139,616	365
2020	288,457	291,074	132,985	136,513	772	137,285	400

SHEEP AND LAMBS: NUMBER ON FARMS, WISCONSIN, JANUARY 1, 2017-2021

Year	All sheep and lambs	Market	Breeding sheep and lambs		
			One year and over		Replacement lambs
			Ewes	Rams	
			1,000 head		
2017	76	13	48	3	12
2018	75	12	48	3	12
2019	75	12	48	3	12
2020	81	15	50	3	13
2021	86	17	52	3	14

MILK GOATS: NUMBER ON FARMS, BY CLASS, WISCONSIN, JANUARY 1, 2017-2021

Year	Milk goats and kids
	Head
2017	56,000
2018	67,000
2019	72,000
2020	77,000
2021	72,000

WOOL: PRODUCTION AND VALUE, WISCONSIN, 2016-2020

Year	Number of sheep shorn	Weight per fleece	Total production	Price per pound	Value of production
	1,000 hd.	Pounds	1,000 lbs.	Cents	\$1,000
2016	51	6.7	340	0.70	238
2017	50	6.6	330	0.65	215
2018	50	6.6	330	0.60	198
2019	49	6.9	340	0.55	187
2020	50	6.9	345	0.50	173

COMMERCIAL LIVESTOCK SLAUGHTER: BY MONTHS, WISCONSIN, 2016-2020

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
BEEF CATTLE 2/													
Number (thousand head)													
2016	100.1	95.7	103.2	92.7	92.4	100.4	94.8	105.3	102.1	108.3	110.8	115.1	1,220.8
2017	112.9	106.1	117.3	107.2	110.0	116.6	101.3	117.3	104.5	113.6	114.7	106.8	1,328.5
2018	115.7	105.7	115.0	109.2	109.5	111.4	106.5	119.3	103.2	124.8	112.7	108.8	1,341.9
2019	115.4	100.0	119.4	118.8	115.2	113.8	114.8	113.7	109.5	124.5	118.0	116.4	1,379.4
2020	122.4	110.4	121.3	80.4	95.6	123.3	118.4	113.4	114.4	123.3	112.9	119.8	1,355.7
Average liveweight (pounds)													
2016	1,410	1,405	1,404	1,387	1,390	1,388	1,376	1,368	1,373	1,390	1,392	1,398	1,390
2017	1,406	1,410	1,401	1,395	1,394	1,391	1,382	1,382	1,394	1,389	1,394	1,402	1,395
2018	1,405	1,411	1,405	1,397	1,389	1,386	1,377	1,368	1,374	1,377	1,384	1,389	1,388
2019	1,398	1,392	1,386	1,393	1,386	1,384	1,375	1,369	1,374	1,372	1,375	1,377	1,382
2020	1,381	1,393	1,403	1,367	1,375	1,394	1,383	1,382	1,380	1,382	1,392	1,393	1,386
Total liveweight (million pounds)													
2016	140.3	133.6	144.1	127.7	127.7	138.6	129.7	143.1	139.3	149.6	153.3	160.0	1,686.9
2017	157.9	148.7	163.5	148.6	152.5	161.4	139.2	161.2	144.8	156.8	159.1	148.9	1,842.5
2018	161.7	148.3	160.6	151.6	151.1	153.5	145.8	162.3	141.0	170.8	155.0	150.2	1,851.9
2019	160.4	138.3	164.6	164.5	158.7	156.6	156.9	154.9	149.5	169.7	161.2	159.3	1,894.8
2020	168.1	152.9	169.3	109.2	130.7	171.2	163.0	156.0	157.0	169.5	156.4	165.9	1,869.1
CALVES 3/													
Number (thousand head)													
2016	5.4	4.6	5.8	4.9	4.8	5.6	4.7	4.9	5.3	5.3	5.1	5.2	61.6
2017	5.0	4.3	5.1	4.6	5.3	5.3	4.2	4.9	4.4	4.4	5.3	5.0	57.9
2018	5.1	4.9	4.8	4.7	4.9	4.3	4.7	4.5	4.5	5.0	5.0	4.7	57.0
2019	4.5	4.8	4.3	4.4	4.4	3.8	4.3	4.3	3.7	4.6	3.8	4.0	50.9
2020	4.0	3.0	3.7	3.1	2.7	3.4	3.7	3.0	2.7	3.3	2.4	2.7	37.8
Average liveweight (pounds)													
2016	474	480	484	487	481	482	469	474	463	459	463	460	473
2017	451	457	452	452	467	469	472	455	472	490	493	488	468
2018	484	483	473	483	491	484	478	482	492	482	482	470	482
2019	465	459	458	460	470	455	462	456	474	473	485	467	465
2020	460	447	454	475	486	487	494	505	519	527	493	485	485
Total liveweight (million pounds)													
2016	2.5	2.2	2.8	2.4	2.3	2.7	2.2	2.3	2.5	2.4	2.4	2.4	29.1
2017	2.2	2.0	2.3	2.1	2.5	2.5	2.0	2.2	2.1	2.2	2.6	2.4	27.0
2018	2.5	2.3	2.2	2.3	2.4	2.1	2.2	2.2	2.2	2.4	2.4	2.2	27.4
2019	2.1	2.2	1.9	2.0	2.1	1.7	2.0	1.9	1.8	2.2	1.8	1.8	23.6
2020	1.9	1.4	1.7	1.5	1.3	1.7	1.8	1.5	1.4	1.8	1.2	1.3	18.3
HOGS													
Number (thousand head)													
2016	40.7	39.7	41.3	38.1	41.6	46.1	48.3	59.1	57.9	57.8	57.9	57.6	586.1
2017	62.0	56.3	69.9	58.3	64.8	62.9	59.9	68.1	60.2	64.2	59.7	56.9	743.2
2018	67.8	59.9	63.6	63.0	61.4	61.2	59.9	61.7	54.3	66.9	60.4	52.2	732.3
2019	63.2	57.0	63.3	66.3	59.8	57.7	62.8	56.9	58.7	66.6	59.2	60.0	731.5
2020	68.6	58.3	73.4	74.8	81.3	81.9	76.1	71.4	70.1	69.1	66.7	73.6	865.3
Average liveweight (pounds)													
2016	441	436	437	447	449	456	457	439	435	437	441	438	442
2017	441	445	443	443	448	457	438	429	426	435	441	436	440
2018	437	436	435	443	447	451	445	428	428	432	434	428	437
2019	431	432	434	442	439	440	437	429	432	430	431	429	434
2020	433	434	436	433	427	426	429	424	422	427	428	428	429
Total liveweight (million pounds)													
2016	17.9	17.2	18.0	17.0	18.6	21.0	22.0	25.9	25.1	25.2	25.5	25.2	258.6
2017	27.3	25.0	30.9	25.8	29.0	28.7	26.2	29.2	25.6	27.9	26.3	24.8	326.3
2018	29.6	26.1	27.6	27.8	27.3	27.5	26.6	26.3	23.2	28.8	26.2	22.3	319.3
2019	27.1	24.5	27.3	29.2	26.2	25.3	27.3	24.3	25.3	28.6	25.4	25.7	316.4
2020	29.6	25.3	31.9	32.3	34.7	34.8	32.5	30.2	29.5	29.4	28.5	31.4	370.0

1/Months will not necessarily add to total due to rounding. 2/Slaughter cows, steers and heifers combined. 3/Includes slaughter "bobs" and special fed veal calves weighing less than 500 pounds.

TROUT: SALES, LOSSES AND DISTRIBUTION, WISCONSIN, 2016-2020

Item	Unit	2016	2017	2018	2019	2020
Sales						
Trout 12" or longer						
Number sold	1,000 fish	(D)	390	370	340	310
Weight sold	1,000 pounds	(D)	378	357	314	291
Value of sales	1,000 dollars	(D)	1,569	1,339	1,410	1,312
Average price per pound	Dollars	(D)	4.15	3.75	4.49	4.51
Total sales (excluding eggs)	1,000 dollars	1,558	1,694	1,493	1,525	1,424
Losses						
Total number	1,000 fish	140	191	235	266	244
Total weight	1,000 pounds	40	90	54	70	63
Distribution for conservation & restoration						
Trout 12" or longer	1,000 fish	15	(D)	10	(D)	20
Trout 6" - 12"	1,000 fish	2,770	2,820	1,570	(D)	1,650
Trout 1" - 6"	1,000 fish	(D)	(D)	2,080	(D)	2,320
Total value	1,000 dollars	2,699	2,196	1,514	(D)	1,560

(D) Not published to avoid disclosure of individual operations.

HONEY: PRODUCTION AND VALUE, WISCONSIN, 2016-2020

Year	Colonies of bees	Yield per colony	Honey		
			Production	Price per pound	Value of production
	1,000 colonies	Pounds	1,000 pounds	Dollars	1,000 dollars
2016	54	62	3,348	2.67	8,939
2017	53	56	2,968	2.82	8,370
2018	51	45	2,295	2.95	6,770
2019	46	47	2,162	3.00	6,486
2020	45	50	2,250	3.26	7,335

MINK: FEMALES BRED, PELTS PRODUCED, AND VALUE, WISCONSIN, 2016-2020

Year	Females bred	Pelts produced	Average price 1/	Value of pelts
	Number		Dollars	Million dollars
2016	254,490	1,147,310	34.70	39.8
2017	246,620	1,133,180	36.10	40.9
2018	264,260	1,030,600	26.60	27.4
2019	244,000	1,036,220	21.30	22.1
2020	100,090	403,540	33.70	13.6

1/Average market price, U.S.

HONEY BEE COLONIES: WISCONSIN, 2020-2021 1/

Period	First of the quarter number of colonies 2/	Maximum colonies 3/	Lost colonies	Percent lost 4/	Added colonies	Renovated colonies 5/	Percent renovated 6/
	Number			Percent	Number		Percent
Jan-Mar 2020	16,000	28,000	1,900	7	700	370	1
Apr-Jun 2020	27,000	55,000	1,700	3	14,000	4,600	8
Jul-Sep 2020	68,000	68,000	8,000	12	970	9,000	13
Oct-Dec 2020	60,000	60,000	8,000	13	2,800	4,700	8
Jan-Mar 2021	25,000	37,000	2,500	7	7,000	170	(Z)
Apr-Jun 2021	42,000	57,000	2,200	4	9,000	7,500	13

(Z) Less than half of the unit shown. 1/ Operations with 5 or more colonies. 2/ Number of colonies in the state as of the first day of the quarter. 3/ Number of colonies in the state on the first day of the quarter plus all colonies moved into state during the quarter. 4/ Percent lost is the number of lost colonies divided by the maximum colonies. 5/ Defined as any surviving colony that was requeened or received new honey bees through nuc or package. 6/ Percent renovated is the number of renovated colonies divided by the maximum colonies.

HONEY BEE COLONY HEALTH: WISCONSIN, 2020-2021 1/

Period	Varroa mites	Other pests and parasites 2/	Disease 3/	Pesticide	Other 4/	Unknown
	Percent					
Jan-Mar 2020	9	1.9	(Z)	(Z)	2.7	3.1
Apr-Jun 2020	46.1	27.3	25	25.1	25.8	26.1
Jul-Sep 2020	43.1	22.8	12.9	26.1	13.8	20.4
Oct-Dec 2020	29.3	0.6	(Z)	7.4	1.8	1.2
Jan-Mar 2021	16.1	(Z)	(Z)	0	3.6	3.2
Apr-Jun 2021	14.9	17.8	1.1	22.3	1	2

(Z) Less than half of the unit shown. 1/ Operations with 5 or more colonies, percent of colonies affected by stressor. A colony may be affected by multiple stressors during the quarter. 2/ Tracheal mites, nosema, hive beetle, wax moths, etc. 3/ Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc. 4/ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

**CHICKENS: NUMBER ON FARMS, WISCONSIN,
DECEMBER 1, 2016-2020**

Year	Total chickens 1/	Value per head	Total value	Total layers
	Thousands	Dollars	1,000 dollars	Thousands
2016	6,636	2.40	15,926	5,648
2017	9,084	2.40	21,802	7,383
2018	8,818	2.50	22,045	7,284
2019	9,699	2.50	24,248	7,870
2020	10,173	3.40	34,588	7,988

1/Excludes commercial broilers.

**EGGS: PRODUCTION AND VALUE, WISCONSIN, 2016-
2020 1/**

Year	Avg. layers during year	Total eggs produced	Eggs per layer	Price per dozen	Value of production
	1,000 hd.	Million	Number	Cents	1,000 dollars
2016	5,650	1,629	288	58.6	79,493
2017	6,428	1,860	289	70.1	108,619
2018	7,271	2,078	286	101.7	176,103
2019	7,327	2,163	295	58.1	104,750
2020	7,646	2,275	298	69.7	132,154

1/Year is for the period December 1 - November 30.

EGG PRODUCTION: WISCONSIN, 2016-2020

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Million eggs											
2016	132.2	135.0	143.9	133.1	136.1	133.3	131.7	134.1	140.1	143.7	141.0	149.3
2017	145.5	130.5	149.3	153.8	161.9	152.2	164.2	166.4	155.5	162.4	169.1	185.6
2018	179.5	155.8	174.1	172.4	180.9	169.2	175.6	180.0	172.1	171.0	161.6	173.3
2019	176.7	154.2	169.9	174.9	190.7	186.6	188.1	186.7	177.2	192.1	192.7	199.8
2020	194.3	169.6	187.8	190.9	194.9	187.8	197.0	192.1	181.6	190.7	188.4	189.9

LAYERS: AVERAGE NUMBER, WISCONSIN, 2016-2020

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1,000 head											
2016	5,499	5,639	5,597	5,649	5,830	5,757	5,479	5,651	6,006	5,850	5,671	5,758
2017	5,889	5,894	6,018	6,313	6,392	6,366	6,409	6,591	6,934	7,212	7,356	7,332
2018	7,143	7,080	7,202	7,372	7,528	7,437	7,263	7,208	7,195	7,222	7,272	7,382
2019	7,405	7,319	7,298	7,295	7,311	7,314	7,204	7,100	7,104	7,404	7,785	7,960
2020	7,507	7,113	7,416	7,571	7,623	7,771	7,823	7,657	7,616	7,775	7,922	7,747

**LAYERS: PRODUCTION AND VALUE,
WISCONSIN, 2016-2020 1/**

Year	Number of chickens		Price per pound	Value of sales
	Lost	Sold		
	1,000 head		Cents	1,000 dollars
2016	1,103	2,787	3.3	353
2017	1,093	2,541	1.7	166
2018	2,951	2,157	2.8	262
2019	3,601	2,151	2.3	219
2020	1,948	2,770	0.9	106

1/Includes an allowance for roosters. Year is for the period December 1 - November 30.

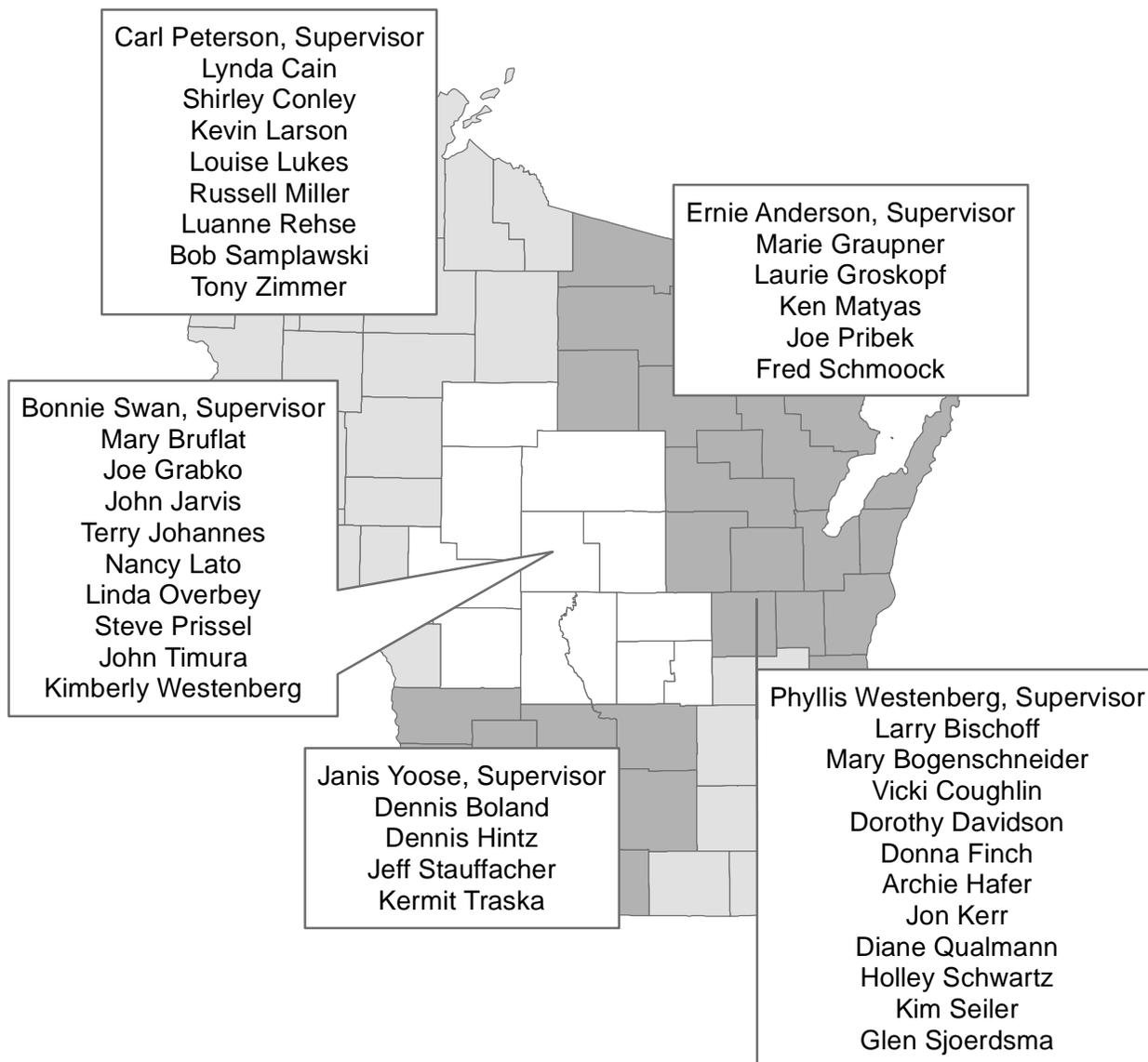
**BROILERS: PRODUCTION AND GROSS INCOME,
WISCONSIN, 2016-2020 1/**

Year	Production		Price per pound	Value of production
	Number	Quantity		
	1,000 head	1,000 pounds	Cents	1,000 dollars
2016	54,100	227,200	47.8	108,602
2017	53,800	226,000	54.4	122,944
2018	55,800	228,800	55.9	127,899
2019	58,500	228,200	48.6	110,905
2020	55,000	225,500	36.5	82,308

1/Year is for the period December 1 - November 30.



National Association of State Departments of Agriculture (NASDA) enumerators collect data for the Wisconsin Field Office of USDA NASS. The NASDA workers who gathered information for this publication are listed below.



Office Enumerators:
Marshall Brinkman, Linda Netzloff, Beth Zondag-Traska

2020 Wisconsin Custom Rate Guide

The 2020 Wisconsin Custom Rate Guide was compiled by the USDA's National Agricultural Statistics Service (NASS), Wisconsin Field Office, in cooperation with the Wisconsin Department of Agriculture, Trade, and Consumer Protection, the University of Wisconsin-Extension, and the College of Agricultural & Life Sciences, University of Wisconsin-Madison. This summary is the result of a mail and phone survey which collected rates paid by farmers for custom work performed in 2020. The figures are based on reports by custom operators and farmers who performed custom work and/or rent out equipment. There were 494 reports compiled.

Most of the rates in this release include the cost of hiring a machine with fuel and operator, but exclude the cost of any materials. No attempt was made to distinguish between rates charged by custom operators who perform these operations as their main source of income and those who do custom work as a secondary source of income. This summary makes no effort to evaluate fairness of rates being charged.

Price changes for machinery, fuel, and labor should be taken into account when using this 2020 data for subsequent years.

The complete 2020 Wisconsin Custom Rate Guide is available at

https://www.nass.usda.gov/Statistics_by_State/Wisconsin/Publications/WI-CRate20.pdf

CUSTOM LAND TILLAGE SERVICES: WISCONSIN, 2020

Operation	Number of Reports	Average	Median
		Dollars/acre	
Chisel plowing	86	18.61	18.00
Disk/ripper/ harrow combination	43	18.62	18.00
Field cultivating	87	14.94	15.00
Moldboard plowing	20	23.37	24.00
Rotary hoe	6	11.58	11.50
Vertical tillage	66	17.04	16.00
Finishing disk	35	17.77	18.00
Offset disk	9	16.89	20.00
Disk w/ digger & drag	7	20.43	-
Row cultivator with fertilizer	15	12.75	13.00
Row cultivator without fertilizer	9	15.11	14.00
Subsoiling (16-20 in. deep)	39	21.01	20.00
- Insufficient data.			

CUSTOM SEEDING, PLANTING, AND DRILLING SERVICES: WISCONSIN, 2020

Operation	Number of Reports	Average	Median
		Dollars/acre	
Air seeding with fertilizer			
Small grains	5	18.40	20.00
Soybeans	12	19.50	19.50
Air seeding without fertilizer			
Small grains	12	19.67	20.00
Soybeans	12	20.21	20.00
Planting			
Corn (with fertilizer)	190	20.95	20.00
Corn (without fertilizer)	86	20.35	20.00
Small grains	43	19.29	18.00
Soybeans (with fertilizer)	40	21.13	21.50
Soybeans (without fertilizer)	150	19.86	20.00
Drilling			
Alfalfa	77	19.84	20.00
Soybeans	83	19.35	20.00
Small grains	93	19.07	19.00

CUSTOM HAY HARVEST SERVICES: WISCONSIN, 2020

Operation	Number of Reports	Average	Median
		Dollars/acre	
Cost Per Acre			
Mowing	26	14.48	14.00
Mowing and conditioning	113	16.61	15.00
Raking	88	8.14	8.00
Swathing	7	14.00	-
Tedding	41	7.58	7.00
		Dollars/bale	
Cost Per Bale			
Small Round Bales (<1,500 lbs)			
Baling	91	9.72	9.50
Cutting, raking, and baling	11	11.86	9.00
Large Round Bales (>1,500 lbs)			
Baling	70	10.78	10.00
Cutting, raking, and baling	5	23.20	-
Moving from field to storage	12	2.98	2.50
Small square Bales (<250 lbs)			
Baling	17	1.00	1.00
Cutting, raking, and baling	10	1.80	1.13
Large square bales (>250 lbs)			
Baling	80	9.04	9.00
- Insufficient data.			

CUSTOM HARVESTING AND COMBINING SERVICES: WISCONSIN, 2020

Operation	Number of Reports	Average	Median
		Dollars/acre	
Corn			
Combine	234	33.59	33.25
Harvest (combine, grain cart, haul local to farm)	83	41.56	40.00
Corn stalks			
Shredding	26	17.87	15.00
Baling (dollars/large bale)	28	11.46	10.50
Small grains			
Combine (from swath)	29	33.59	32.00
Combine (straight)	112	33.53	33.00
Swathing (self-propelled)	10	22.00	20.50
Soybeans			
Combine	222	32.96	32.00
Harvest (combine, grain cart, haul local to farm)	67	39.06	38.00

2019 Organic Survey

The **2019 Certified Organic Survey** is a special study conducted by the U.S. Department of Agriculture's (USDA) National Agricultural Statistics Service (NASS) and is part of the 2017 Census of Agriculture program. The primary purpose of the survey is to collect value of sales information at the commodity level along with acreage, production, and practices data for a variety of certified organic crop and livestock operations. This is the sixth comprehensive organic survey NASS has conducted and the first since the 2016 Organic Survey.

Complete results of the 2019 Certified Organic Survey are available at: www.nass.usda.gov/organics/

ORGANIC FIELD CROPS PRODUCTION AND SALES, CERTIFIED ORGANIC FARMS, WISCONSIN, 2019

Crop and unit	Harvested			Value of Sales		
	Farms	Area	Quantity	Farms	Quantity	Dollars
Barley (bu)	86	2,685	97,857	46	38,533	276,137
Corn for grain (bu)	685	28,213	2,938,152	408	1,496,837	12,268,719
Corn for silage (tons)	319	10,820	157,073	52	8,556	589,884
Dry edible beans, all (cwt)	7	68	397	7	397	24,342
Hay, dry (tons)	741	45,542	134,539	344	44,947	6,636,576
Hay, dry, alfalfa and alfalfa mixtures (tons)	505	29,667	91,358	244	34,309	5,283,052
Hay, all other dry hay (tons)	306	15,875	43,181	131	10,638	1,353,524
Haylage (tons)	410	47,496	252,530	117	30,234	3,492,817
Oats (bu)	234	3,969	172,311	102	66,178	325,171
Rye (bu)	47	1,011	37,366	31	26,063	257,722
Sorghum for silage (tons)	46	1,155	10,223	7	1,472	91,880
Soybeans (bu)	193	8,851	284,960	149	230,274	4,345,023
Wheat, All (bu)	69	2,838	120,764	50	66,462	634,192
Wheat, spring (bu)	10	529	10,475	4	(D)	93,017
Wheat, winter (bu)	61	2,309	110,289	47	(D)	541,175

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

ORGANIC LIVESTOCK, POULTRY, AND LIVESTOCK PRODUCTS: INVENTORY AND SALES, CERTIFIED ORGANIC FARMS, WISCONSIN, 2019

Commodity	Inventory			Value of sales		
	Farms	Peak	On December 31	Farms	Quantity sold	Dollars
Milk cows (head)	530	36,196	31,747	445	10,615	8,975,335
Beef cows (head)	69	1,231	1,126	24	138	130,907
Other cattle & calves (head)	597	30,853	27,958	558	17,585	16,076,312
Hogs & pigs (head)	27	2,480	1,874	23	2,911	1,026,716
Sheep & lambs (head)	11	176	155	3	19	1,345
Goats & kids (head)	5	398	339	3	(D)	2,145
Chickens, layers (head)	123	990,497	969,151	62	332,044	484,122
Chickens, broilers (head)	20	30,490	19,850	19	74,644	644,983
Turkeys (head)	5	387	155	3	225	17,475
Milk from cows (lbs)	(X)	(X)	(X)	525	440,963,146	125,728,786
Milk from goats (lbs)	(X)	(X)	(X)	3	405,643	216,853
Chicken eggs (dozen)	(X)	(X)	(X)	118	19,595,841	42,476,120

(X) Not applicable. (D) Withheld to avoid disclosing data for individual farms.

ORGANIC FRUITS, BERRIES, VEGETABLES, AND TREE NUTS PRODUCTION AND SALES, CERTIFIED ORGANIC FARMS, WISCONSIN, 2019

Crop and unit	Harvested			Value of sales		
	Farms	Acres	Quantity	Farms	Quantity	Dollars
Apples (lbs)	20	98	659,052	20	659,052	509,194
Berries	51	274	(X)	51	(X)	1,356,877
Blueberries (lbs)	6	12	30,096	6	30,096	90,884
Cranberries (barrels)	6	239	9,913	6	9,913	1,162,984
Raspberries (lbs)	19	4	4,227	19	4,227	21,810
Strawberries (cwt)	22	5	135	22	135	50,111
Other berries (lbs)	6	13	6,220	6	6,220	28,158
All vegetables (grown in the open)	311	6,657	(X)	311	(X)	25,037,628
Other vegetables and fresh herbs (grown under protection) (*sq.ft.)	55	526,414*	(X)	55	(X)	2,693,043

(X) Not applicable.

WISCONSIN CROPS: Usual Planting and Harvesting Dates

Crops	Usual planting dates		Usual harvesting dates			Principal producing areas	
	Begins	Ends	Begins	Most active	Ends	Districts	Counties
FIELD CROPS							
Corn for grain	April 26	June 4	Oct. 2	Oct. 14 - Nov. 17	Nov. 28	SC	Dane, Rock, Grant
Corn for silage	April 26	June 4	Sept. 8	Sept. 13 - Oct. 13	Oct. 19	EC, SC	Dane, Fond du Lac, Marathon
Soybeans	May 7	June 14	Sept. 29	Oct. 4 - Oct. 29	Nov. 8	SC	Rock, Dane, Dodge
Oats, spring	April 11	May 18	July 22	July 28 - Aug. 24	Aug. 30	WC, EC, SW	Langlade, Grant, Marathon
Barley, spring	April 5	April 30	Aug. 1	Aug. 5 - Aug. 15	Aug. 20	NC, NW	Marathon, Manitowoc, Clark,
Winter wheat	Sept. 30	Oct. 15	July 17	July 21 - Aug. 11	Aug. 19	EC, SC, SE	Manitowoc, Fond du Lac, Dane
Potatoes	Mar. 25	May 5	July 20	Aug. 15 - Oct. 1	Oct. 10	C, NE	Portage, Waushara, Adams
Alfalfa hay			May 20		Oct. 10	SW, WC	Grant, Marathon, Iowa
All other hay			May 27		Sept. 15	NC, NW	Marathon, Clark, Rusk
VEGETABLES							
Carrots for processing	April 25	June 15	Aug. 15	Sept. 1 - Oct. 31	Nov. 15	C, EC	Waushara, Manitowoc, Portage
Snap beans for processing	May 1	July 10	July 10	July 15 - Sept. 15	Sept. 30	C	Portage, Adams, Waushara
Sweet corn for processing	April 1	July 1	Aug. 1	Aug. 15 - Sept. 25	Oct. 15	C, EC	Portage, Waushara, Fond du Lac
Green peas for processing	April 15	June 10	June 20	July 1 - July 20	July 31	EC, C	Fond du Lac, Portage, Green Lake
Cucumbers for pickles	May 1	June 20	July 15	July 25 - Sept. 15	Oct. 15	C	Waupaca, Waushara, Portage

CONVERSION FACTORS

- One quart of milk weighs 2.15 pounds
- One gallon of milk weighs 8.6 pounds
- 46.5 quarts of milk weighs 100 pounds.
- Specific gravity of milk at 60 degrees F is 1.032.

100 pounds of 4% milk will yield approximately:
 10 pounds cheese and 90 pounds whey or
 5 pounds butter and 90 pounds skim milk or
 13 pounds dried whole and 1-1/4 pounds 40% cream

100 pounds skim milk will yield approximately:
 16 pounds cottage cheese and 84 pounds whey or
 3 pounds casein and 94 pounds whey or
 9 pounds nonfat dry milk

100 pounds whey will yield approximately:
 5 pounds lactose and
 1 pound protein and
 1/3 pound milkfat

	Requires:
To make one pound of:	
Butter	21.2 pounds whole milk
Whole milk cheese	10.0 pounds whole milk
Evaporated milk	2.1 pounds whole milk
Condensed milk	2.3 pounds whole milk
Whole powdered milk	7.4 pounds whole milk
Powdered cream	13.5 pounds whole milk
Ice cream (1 gal.)	12.0 pounds whole milk <i>(15 pounds when including butter and concentrated milks)</i>
Cottage cheese	6.25 pounds skim milk
Nonfat dry milk	11.0 pounds skim milk



**Department of Agriculture,
Trade and Consumer Protection**

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