



WISCONSIN FARM REPORTER

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The Wisconsin Farm Reporter is compiled from data and reports released by the USDA, National Agricultural Statistics Service (NASS). All NASS data and reports are available free at www.nass.usda.gov

June Milk Prices

The Wisconsin all milk price for June 2020 was \$19.50 per hundredweight (cwt). This was \$5.90 higher than last month's price and \$1.60 higher than last June's price.

The U.S. all milk price for June was \$18.10 per cwt, \$1.40 lower than Wisconsin's price but \$4.50 higher than last month's U.S. price. All but two of the 24 major milk producing states had a higher price when compared with May. Georgia and Florida had lower prices. South Dakota had the largest increase and highest price, up \$7.90 to \$22.70 per cwt.

The Chicago Mercantile Exchange* (CME) 40-pound block cheese price closed at \$2.2525 per pound on July 31, while barrels were \$2.2350 per pound. The CME butter price was \$1.6075 per pound.

For the week ending July 25, 2020, the Agricultural Marketing Service* U.S. weekly 40-pound block cheese price averaged \$2.7737 per pound, and 500 pound barrels adjusted to 38 percent moisture averaged \$2.4592 per pound. The U.S. butter price was \$1.7572 per pound.

Milk Prices¹

Selected states	June 2019		May 2020		June 2020	
	Price per cwt.	Fat test	Price per cwt.	Fat test	Price per cwt.	Fat test
	(dollars)	(percent)	(dollars)	(percent)	(dollars)	(percent)
Milk for all uses						
California	18.10	3.84	13.20	3.82	18.70	3.80
Idaho	17.40	3.82	14.50	3.93	20.20	3.91
Iowa	18.40	3.84	14.80	3.98	20.70	3.92
Michigan	16.90	3.70	12.10	3.78	14.80	3.68
Minnesota	18.30	3.89	14.70	4.02	21.20	3.93
New Mexico	16.60	3.65	11.60	3.65	16.50	3.66
New York	18.60	3.78	13.30	3.88	15.50	3.80
Pennsylvania	18.90	3.73	14.00	3.88	16.30	3.80
Texas	18.60	4.03	13.50	4.09	19.50	4.06
Wisconsin	17.90	3.78	13.60	3.87	19.50	3.77
United States	18.10	3.81	13.60	3.87	18.10	3.82

¹Before deduction for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.

Prices Received by Farmers

The June 2020 average price received by farmers for **corn** in Wisconsin was \$3.16 per bushel. This was up 7 cents from May but 73 cents below the previous June.

The June **soybean** price, at \$8.19 per bushel, was up 6 cents from May but down 3 cents from the previous June.

The June **oat** price was \$3.37 per bushel, up 14 cents from the May price but 14 cents below June 2019.

All hay prices in Wisconsin averaged \$154.00 per ton in June, down \$8.00 from May and \$59.00 below June 2019. The **alfalfa hay** price averaged \$159.00 per ton in June, down \$4.00 from May and \$60.00 below the previous June. The **other hay** price averaged \$123.00, down \$35.00 from May and \$53.00 below the June 2019 price.

Prices received for **milk cows** for dairy herd replacement averaged \$1,350 per head as of July 1, 2020.

Prices Received by Farmers

WISCONSIN	June 2019	May 2020	June 2020
	(dollars)		
Corn	3.89	3.09	3.16
Hay, all baled	213.00	162.00	154.00
Alfalfa	219.00	163.00	159.00
Other	176.00	158.00	123.00
Oats	3.51	3.23	3.37
Soybeans	8.22	8.13	8.19
Milk cows ¹²	1,210.00	1,250.00	1,350.00
UNITED STATES	June 2019	May 2020	June 2020
	(dollars)		
Corn	3.98	3.20	3.16
Hay, all baled	177.00	164.00	162.00
Alfalfa	193.00	179.00	179.00
Other	146.00	131.00	128.00
Oats	3.31	3.10	3.16
Soybeans	8.31	8.28	8.34
Milk cows ¹²	1,230.00	1,250.00	1,310.00
Calves	149.00	151.00	149.00
Cattle, all beef	114.00	109.00	109.00
Cows ³	65.90	68.30	71.00
Steers & Heifers	115.00	111.00	110.00
Hogs, all	59.50	51.00	41.30
Barrows & Gilts	60.00	52.70	42.20
Sows	47.50	22.40	21.00
Eggs (market) ⁴	0.452	0.486	0.421

¹ Animals sold for dairy herd replacement only. Prices available for January, April, July, and October. ² Milk cow prices are for July 1, 2018, April 1, 2019, and July 1, 2019. ³ Beef cows and cull dairy cows sold for slaughter. ⁴ Mid-month price. Also referred to as table eggs.

Farm Production Expenditures

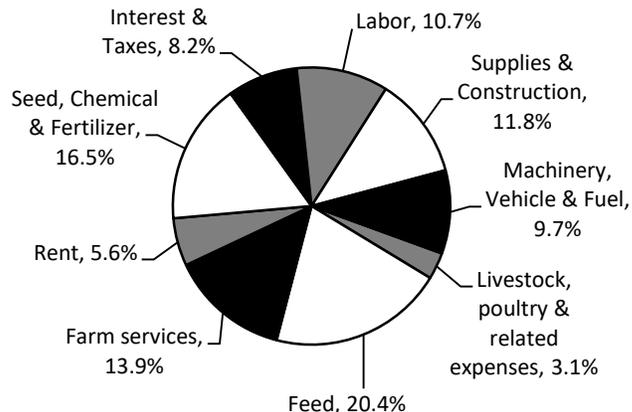
Wisconsin farm production expenditures totaled \$10.6 billion in 2019. This was an increase of 5% from the 2018 total expenditures. Feed expense, which increased 20% to \$2.15 billion, represented the largest single production expense in Wisconsin in 2019, accounting for 20% of the total. Farm Services was the second largest expense category, totaling \$1.47 billion and accounting for nearly 14% of the total. This was up 5% from 2018. The largest percentage decreases were Livestock, Poultry and Related Expenses (down 46%), Miscellaneous Capital Expenses (down 20%), and Agricultural Chemical (down 6%). The largest percentage increases from last year were for Trucks and Autos (up 100%), Other Farm Machinery (up 38%), Farm Improvements and Construction (up 25%), and Feed (up 20%).

The complete Farm Production Expenditures report is available online at: <http://www.nass.usda.gov>

Economic Research Service reports related to previous ARMS data are available online at:

<http://www.ers.usda.gov/data-products/arms-farm-financial-and-crop-production-practices.aspx>

**Farm Production Expenditures
Wisconsin, 2019
Percent of Total Farm Outlay**



The Wisconsin Field Office would like to thank all participants in the Agricultural Resource Management surveys. Their help made this publication possible.

**Greg Bussler
State Statistician**

Farm Production Expenditures – Wisconsin: 2018-2019

Expenditure - Farm Share	Farms Reporting ¹		Average per Farm ²		Total Expenditures	
	2018	2019	2018	2019	2018	2019
	<i>(percent)</i>		<i>(dollars)</i>		<i>(million dollars)</i>	
Livestock, poultry and related expenses ⁴	32.2	27.3	9,414	5,085	610	330
Feed	57.2	47.1	27,623	33,128	1,790	2,150
Farm services ⁵	91.6	90.5	21,605	22,650	1,400	1,470
Rent ⁶	31.7	34.7	8,642	9,091	560	590
Agricultural chemicals ⁷	47.5	51.1	4,938	4,622	320	300
Fertilizer, Lime, and Soil Conditioners ⁷	53.7	53.1	10,185	10,478	660	680
Interest	40.2	48.4	7,099	7,473	460	485
Taxes (real estate and property)	100.0	99.9	6,173	5,855	400	380
Labor	23.4	23.1	17,130	17,411	1,110	1,130
Fuels	80.1	84.8	6,096	5,855	395	380
Farm supplies and repairs ⁸	79.8	85.2	10,802	11,248	700	730
Farm improvements and construction ⁹	52.1	56.8	6,173	7,704	400	500
Tractors and self-propelled farm machinery	12.2	14.9	4,321	4,777	280	310
Other farm machinery	25.7	23.5	2,623	3,621	170	235
Seeds and plants ¹⁰	56.2	68.0	11,111	11,710	720	760
Trucks and autos	8.9	14.0	772	1,541	50	100
Miscellaneous capital expenses	7.3	5.0	386	308	25	20
Total farm production expenditures³	100.0	100.0	155,093	162,558	10,050	10,550

¹ Number of farms reporting item divided by total number of farms. ² The average per farm is computed by dividing the line-item total expense by the total number of farms at that level. Totals may not add due to rounding. ³ Includes the operator, landlord, and contractor shares of farm production expenses. Totals may not add due to rounding. ⁴ Includes purchases and leasing of livestock and poultry. Intra-state and inter-state transfers of livestock are captured. ⁵ Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, utilities, general expenses, and miscellaneous business expenses. ⁶ Includes cash rent paid, share rent, plus public and private grazing fees. ⁷ Includes material and application costs. ⁸ Includes bedding and 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. ⁹ Includes all expenditures related to new construction or repairs of buildings, fences, operator dwelling (if dwelling is owned by operation), and any improvements to physical structures of land. ¹⁰ All purchases of seed, plants, or seed treatments for nursery and farming operation are included. Bedding plants, nursery stock, and seed purchased for resale are excluded.

Honey Bee Colonies

Wisconsin

Honey bee colonies for operations with 5 or more colonies in Wisconsin as of January 1, 2020, totaled 16,000 colonies. This is 3% below the 16,500 colonies on January 1 last year, and 65% below the 46,000 colonies during the October-December 2019 quarter. Producers boosted their January 1 inventory by moving colonies into Wisconsin and adding colonies to a maximum of 26,000 during the January-March 2020 quarter. Since January 2019 the July-September 2019 quarter had the largest maximum number of colonies, with 63,000, while the January-March 2019 quarter had the smallest maximum number of colonies with 17,000.

Honey bee colonies lost for operations with 5 or more colonies for the January-March 2020 quarter was 1,500 colonies or 6%. This was 16 percentage points below the same period last year and 12 percentage points below losses reported during the October-December 2019 quarter. Since January 2019 the largest percentage of the colonies lost, at 22%, occurred in the January-March 2019 quarter. The largest number of colonies lost was 8,500 colonies and occurred in the October-December 2019 quarter.

Varroa mites were the number one stressor for operations with 5 or more colonies since January 2019. Producers reported that varroa mites affected 9.0% of Wisconsin’s honey bee colonies for the January-March 2020 quarter. The July-September 2019 quarter showed the highest percentage affected by varroa mites at 46.4%.

United States

Honey bee colonies for operations with five or more colonies in the United States on January 1, 2020, totaled 2.88 million colonies, up 8% from January 1, 2019. The number of colonies in the United States on April 1, 2020, was 2.98 million colonies. During 2019, honey bee colonies on January 1, July 1, and October 1 were 2.67 million, 3.18 million, and 3.02 million colonies, respectively.

Honey bee colonies lost for operations with five or more colonies from January through March 2020, was 399,570 colonies, or 14%.

The number of colonies lost during the quarter of April through June 2020 was 252,630 colonies, or 8%. During the quarter of July through September 2019, colonies lost totaled 434,700 colonies, or 14%, the highest number lost of any quarter surveyed in 2019. The quarter surveyed in 2019 with the lowest number of colonies lost was October through December, with 399,510 colonies lost, or 13%.

Honey bee colonies added for operations with five or more colonies from January through March 2020 was 477,200 colonies. The number of colonies added during the quarter of April through June 2020 was 596,860. During the quarter of July through September 2019, 252,550 colonies were added, the highest number of honey bee colonies added for any quarter surveyed in 2019. The quarter of October through December 2019 added 233,260 colonies, the least number of honey bee colonies added for any quarter surveyed in 2019.

Honey bee colonies renovated for operations with five or more colonies from January through March 2020 was 153,390 colonies, or 5%. During the quarter of April through June 2020, 632,680 colonies, or 21%, were renovated. The quarter surveyed in 2019 with the highest number of colonies renovated was July through September with 355,330 colonies renovated, or 11%. The quarter surveyed in 2019 with the lowest number of colonies renovated was October through December 2019, with 91,000, or 3%. Renovated colonies are those that were requeened or received new honey bees through a nuc or package.

Varroa mites were the number one stressor for operations with five or more colonies during all quarters surveyed in 2019. The quarter of October through December 2019 had the highest percentage of colonies reported to be affected by varroa mites at 45.7%. The percent of colonies reported to be affected by varroa mites during January through March 2020 and April through June 2020 are 25.5% and 42.3%, respectively.

Honey bee colonies lost with Colony Collapse Disorder symptoms on operations with five or more colonies was 105,240 colonies from January through March 2020. This is a 76% increase from the same quarter of 2019.

Honey Bee Colonies on Operations with Five or More Colonies– Wisconsin: 2019-2020

	First of the quarter number of colonies ¹	Maximum colonies ²	Lost colonies	Percent lost ³	Added colonies	Renovated colonies ⁴	Percent renovated ⁵
	<i>(number)</i>			<i>(percent)</i>	<i>(number)</i>		<i>(percent)</i>
Jan-Mar 2019	16,500	17,000	3,700	22	580	100	1
Apr-Jun 2019 ⁶	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Jul-Sep 2019	63,000	63,000	6,500	10	2,400	10,000	16
Oct-Dec 2019	46,000	46,000	8,500	18	1,800	3,000	7
Jan-Mar 2020	16,000	26,000	1,500	6	2,000	370	1
Apr-Jun 2020	27,000	53,000	1,700	3	11,500	4,600	9

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

Honey Bee Colony Health – Wisconsin: 2019-2020¹

	Varroa mites	Other pests and parasites ²	Disease ³	Pesticide	Other ⁴	Unknown
	<i>(percent)</i>					
Jan-Mar 2019	15.9	3.2	0.7	1.1	13.8	5.0
Apr-Jun 2019 ⁶	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Jul-Sep 2019	46.4	20.5	13.9	18.1	6.5	3.9
Oct-Dec 2019	40.0	22.1	14.8	14.1	22.0	7.3
Jan-Mar 2020	9.0	1.9	0.4	(Z)	2.7	3.1
Apr-Jun 2020	46.1	27.3	25.0	25.1	25.8	26.1

(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, nosea, hive beetle, wax moths, etc. 3, Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sabrood, IAPV, Lake Sinai II, etc. 4. Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

Cash Rents

Cropland cash rent paid to Wisconsin landlords in 2020 averaged \$146.00 per acre. Non-irrigated cropland rent averaged \$138.00 per acre, up \$1.00 from last year. Irrigated cropland rent averaged \$245.00 per acre, up \$8.00 from 2019. Pasture rented for cash averaged \$35.00 per acre, down \$5.00 from the previous year.

Cash Rent, Wisconsin, 2016-2020

Item	2016	2017	2018	2019	2020
Cropland, cash rent expense (dollars per acre)	137.00	139.00	140.00	142.00	146.00
Irrigated, cash rent expense (dollars per acre)	243.00	243.00	238.00	237.00	245.00
Non-irrigated, cash rent expense (dollars per acre)	131.00	133.00	134.00	137.00	138.00
Pasture, cash rent expense (dollars per acre)	35.00	40.00	40.00	40.00	35.00

Land Values

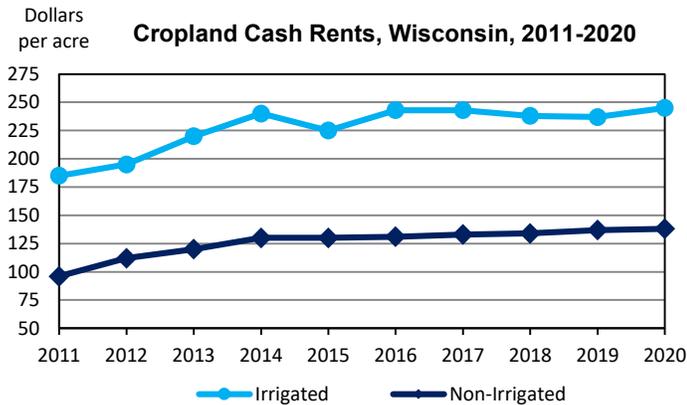
Wisconsin’s farm real estate value, a measurement of the value of all land and buildings on farms, averaged \$4,850 per acre in 2020. This was down \$100 per acre or 2% from last year’s level.

Cropland value, at \$4,770 per acre, was down \$80 from a year ago. Pasture, at \$2,250 per acre, was down \$60 from last year.

Land Values, Wisconsin, 2016-2020

Item	2016	2017	2018	2019	2020
Cropland, Average Value (dollars per acre)	4,660	4,870	4,740	4,850	4,770
Pasture, Average Value (dollars per acre)	2,190	2,200	2,260	2,310	2,250
Farm Real Estate, Average Value (dollars per acre)	4,520	4,870	4,900	4,950	4,850
Value of Farmland & Buildings ¹ (million dollars)	65,088	69,641	70,070	70,785	(NA)

(NA) Not available. 2019 Land in Farms acres used in this calculation will be released in February 2021. ¹Total value of land and buildings is derived by multiplying average value per acre of farm real estate by the land in farms.



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