

September 24, 2020 Board Meeting

- **September Crop Production Report**

- In WI, corn is expected to yield 182 bushels per acre, up 1 bushel from last month and up 16 bushels from 2019. This is a record yield for Wisconsin. Production is forecast at 528 million bushels.
 - US corn production is forecasted at 14.9 billion bushels, up 10 percent from last year. Based on conditions as of September 1, yields are expected to average 178.5 bushels per acre, up 11.1 bushels from 2019.
- Soybean production in WI is expected to reach 110 million bushels. Soybean yield is forecasted at 54.0 bushels per acre, up 7 bushels from last year.
 - US soybean yield is expected to average 51.9 bushels per acre up 4.5 bushels from last year. Production is forecasted at a record 4.31 billion bushels.
- Next Crop Production Report will be released on Friday, October 9th.

- **Milk Production**

- In July, WI milk production totaled 2.62 billion pounds. This was up 1 percent over the previous July.
- Milk production in the 24 major states totaled 17.8 billion pounds. This is 1.5 percent more than the previous year.
- As of September 1, WI had 7,026 milk cow herds. This is down 533 herds from September 2019.

- **Wisconsin Farm Production Expenditures**

- Wisconsin farm production expenditures totaled \$10.6 billion in 2019. This was an increase of 5 percent from the 2018 total expenditures.
- Feed represented the largest single production expense in Wisconsin and accounted for 20 percent of the total.

- The second largest expense category was farm services and accounted for 14 percent of the total.

- **July Prices Received**
 - Milk price for July was \$22.30 per cwt. This was \$3.50 a cwt higher from July 2019. The US price for July was \$20.50.
 - Corn \$3.05 per bushel down 93 cents from July 2019.
 - Soybeans \$8.36 per bushel up 5 cents from the previous July.
 - Alfalfa hay \$163 per ton down \$4 per ton from last July.

- **Land Values and Cash Rent**
 - In 2020, the value of all land and buildings on farms in Wisconsin averaged \$4,850 per acre. This is down \$100 per acre from 2019.
 - Wisconsin cropland value in 2020 was \$4,770 per acre; down \$80 from a year ago.
 - Cropland cash rent paid to Wisconsin landlords in 2020 averaged \$146.00 per acre; up \$4 from 2019.

- **Honey Bee Colonies**
 - 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 number of colonies on January 1 last year.
 - Varro 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.

- **Mink Production**

- Wisconsin continues to be the leader in the U.S. for mink pelt production and females bred.
- The State's pelt production in 2019 totaled 1,016,220 pelts. Wisconsin's production was down 1 percent from the previous year and accounted for 38 percent of the nation's total pelt production.

- **Chicken and Eggs**

- Wisconsin egg production during July 2020 was 198 million eggs, up 5% from last year.
- The average number of all layers on hand during July 2020 was 7.87 million, up 9% from 2019,

- **Crop Progress as of September 6, 2020**

- Topsoil moisture ratings for this past week were 9 % very short, 22 % short, 66 % adequate, and 3 % surplus.
- Corn condition ratings as of September 6 were 2 % very poor, 5 % poor, 15 % fair, 46 % good, and 32 % excellent.
- Soybean condition ratings as of September 6 were 1 % very poor, 4 % poor, 14 % fair, 44 % good, and 37 % excellent.
- Corn in the dented stage was at 65 percent which was one week ahead of the five year average. Corn harvested for silage was at 24 percent complete which was 9 days ahead of the average
- Soybeans dropping leaves was at 12 percent which was 5 days ahead of the average.

- **Small Grain Summary**

- On Wednesday, September 30, NASS will release the Small Grain Summary for 2020.

- **Upcoming Surveys**

- NASS continues to collect all survey data via mail, computer or telephone. There still is not any in-person data collection due to Covid-19.
- ARMSII – soybean chemical use
- Vegetable Chemical Use Survey
- Small Grains and Row Crop CAPS
- December Ag Survey



WISCONSIN FARM REPORTER

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Inside This Issue:

- Dairy Products
- Milk Production
- Crop Production
- Chickens & Eggs
- Mink
- Cattle

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

Dairy Products, Production by Selected States and U. S.

Item and area	May 2019	April 2020	May 2020	Change from last year
	(1,000 pounds)			(percent)
Cheese				
American types ¹				
Cheddar	443,683	447,044	442,579	-0.2
California				
Idaho	26,135	25,583	23,755	-9.1
Minnesota	51,812	51,433	50,162	-3.2
Wisconsin	60,428	65,461	62,900	+4.1
United States	321,122	330,891	319,394	-0.5
Blue and Gorgonzola	8,331	3,170	4,491	-46.1
Brick and Muenster	18,167	13,872	17,905	-1.4
Cream and Neufchâtel	72,309	66,531	71,732	-0.8
Feta	12,585	11,110	10,609	-15.7
Gouda	3,126	3,276	2,808	-10.2
Hispanic	29,824	29,155	29,671	-0.5
Mozzarella				
California	133,006	124,392	131,201	-1.4
Wisconsin	94,873	81,330	93,100	-1.9
United States	374,770	351,712	378,208	+0.9
Parmesan	38,170	37,430	36,322	-4.8
Provolone	32,436	31,976	34,947	+7.7
Ricotta	18,244	19,725	20,856	+14.3
Romano	4,452	5,122	4,922	+10.6
Other Italian types	6,450	5,103	6,457	+0.1
Total Italian				
California	143,915	135,250	142,018	-1.3
Wisconsin	144,933	130,585	142,200	-1.9
United States	474,522	451,068	481,712	+1.5
Swiss	29,839	25,869	24,335	-18.4
All other cheese	13,500	12,658	12,226	-9.4
Total Cheese				
California	217,948	197,778	209,658	-3.8
Idaho	78,308	85,528	80,649	+3.0
New Mexico	81,835	80,098	81,408	-0.5
Wisconsin	285,842	267,494	280,661	-1.8
United States	1,105,886	1,063,753	1,098,068	-0.7

¹ Includes Cheddar, Colby, and Monterey Jack.

Milk Production

Milk production in Wisconsin during June 2020 totaled 2.55 billion pounds, down 1% from the previous June. The average number of milk cows during June, at 1.26 million head, was equal to last month but down 11,000 from last year. Monthly production per cow averaged 2,030 pounds, down 10 pounds from last June.

Milk production in the 24 major States during June totaled 17.4 billion pounds, up 0.5% from June 2019. May revised production, at 18.0 billion pounds, was down 0.5% from May 2019. The May revision represented an increase of 93 million pounds or 0.5% from last month's preliminary production estimate. Production per cow in the 24 major States averaged 1,974 pounds for June, unchanged from June 2019. The number of milk cows on farms in the 24 major States was 8.83 million head, 43,000 head more than June 2019, but 9,000 head less than May 2020.

Milk production in the United States during the April - June quarter totaled 55.9 billion pounds, up 0.4% from the April - June quarter last year. The average number of milk cows in the United States during the quarter was 9.36 million head, 12,000 head less than the January - March quarter, but 31,000 head more than the same period last year.

Milk Cows and Production, Selected States, June 2019 and 2020

State	Milk cows ¹		Rate per cow ²		Production ²		Change from 2019
	2019	2020	2019	2020	2019	2020	
	(1,000 head)		(pounds)		(million pounds)		
Arizona	194	197	1,960	1,965	380	387	+1.8
California	1,726	1,721	1,900	1,925	3,279	3,313	+1.0
Colorado	186	197	2,165	2,155	403	425	+5.5
Florida	115	111	1,730	1,685	199	187	-6.0
Georgia	82	81	1,770	1,765	145	143	-1.4
Idaho	621	644	2,115	2,110	1,313	1,359	+3.5
Illinois	84	82	1,750	1,800	147	148	+0.7
Indiana	179	176	1,940	1,960	347	345	-0.6
Iowa	219	217	2,020	2,020	442	438	-0.9
Kansas	162	167	1,940	1,930	314	322	+2.5
Michigan	425	427	2,285	2,260	971	965	-0.6
Minnesota	447	442	1,885	1,880	843	831	-1.4
New Mexico	324	327	2,130	1,980	690	647	-6.2
New York	627	626	2,040	2,050	1,279	1,283	+0.3
Ohio	249	253	1,835	1,840	457	466	+2.0
Oregon	123	124	1,755	1,745	216	216	0.0
Pennsylvania	490	482	1,720	1,775	843	856	+1.5
South Dakota	123	135	1,885	1,885	232	254	+9.5
Texas	565	590	2,030	2,030	1,147	1,198	+4.4
Utah	97	96	1,960	1,955	190	188	-1.1
Vermont	126	123	1,795	1,740	226	214	-5.3
Virginia	74	74	1,645	1,700	122	126	+3.3
Washington	278	278	2,050	2,030	570	564	-1.1
Wisconsin	1,268	1,257	2,040	2,030	2,587	2,552	-1.4
24-State							
Total	8,784	8,827	1,974	1,974	17,342	17,427	+0.5

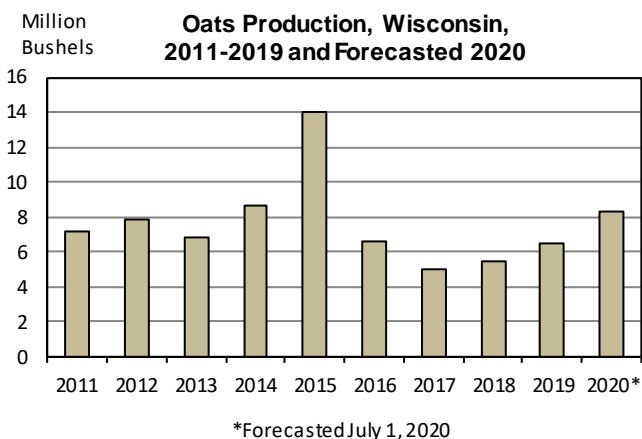
¹Includes dry cows. Excludes heifers not yet fresh. ²Excludes milk sucked by calves.

Crop Production

Wisconsin

Winter wheat production in Wisconsin is forecast at 8.40 million bushels, 12% below last year's 9.60 million bushels. Based on conditions as of July 1, the State's winter wheat yield is forecast at 70.0 bushels per acre, up 6.0 bushels from last year. Wisconsin winter wheat growers intend to harvest 120,000 acres for grain, down 20% from 2019.

Oat production is forecast at 8.25 million bushels, up 27% from 2019. The expected yield is 66.0 bushels per acre, up 12.0 bushels from the previous year. The area expected to be harvested for grain totals 125,000 acres, up 4% from 2019.



United States

Winter wheat production is forecast at 1.22 billion bushels, down 4% from the June 1 forecast and down 7% from 2019. As of July 1, the United States yield is forecast at 52.0 bushels per acre, down 0.1 bushel from last month and down 1.6 bushels from last year's average yield of 53.6 bushels per acre. The area expected to be harvested for grain or seed totals 23.4 million acres, unchanged from the *Acreage* report released on June 30, 2020, but down 4% from last year.

Oats production is forecast at 65.0 million bushels, up 22% from 2019. Growers expect to harvest 998,000 acres for grain, unchanged from the *Acreage* report released on June 30, 2020, but up 21% from 2019. Based on conditions as of July 1, the United States yield is forecast at 65.2 bushels per acre, 0.9 bushel above the 2019 average yield.

The forecasts in this report are based on July 1 conditions and do not reflect weather effects since that time. The next crop production forecasts, based on conditions as of August 1, will be released on August 12.

Area Harvested, Yield, and Production Summary: Wisconsin and United States, 2019 and Forecasted July 1, 2020

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	<i>(1,000 acres)</i>		<i>(bushels)</i>		<i>(1,000 bushels)</i>	
WISCONSIN						
Oats.....	120	125	54.0	66.0	6,480	8,250
Wheat, Winter	150	120	64.0	70.0	9,600	8,400
UNITED STATES						
Oats.....	826	998	64.3	65.2	53,148	65,024
Wheat, Winter	24,327	23,439	53.6	52.0	1,304,003	1,217,784

U.S. Corn Supply and Use¹

CORN	2018-2019	2019-2020 (Est.)	2020-2021 ² Projections
	<i>(million bushels)</i>		
Beginning Stocks	2,140	2,221	2,248
Production	14,340	13,617	15,000
Imports	28	45	25
Supply, total	16,509	15,883	17,273
Feed & Residual	5,429	5,600	5,850
Food, Seed & Industrial	6,793	6,260	6,625
Domestic, total	12,222	11,860	12,475
Exports	2,066	1,775	2,150
Use, total	14,288	13,635	14,625
Ending Stocks, total	2,221	2,248	2,648
Avg. farm price (\$/bu)	3.61	3.60	3.35

¹Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm>

U.S. Soybean Supply and Use¹

SOYBEANS	2018-2019	2019-2020 (Est.)	2020-2021 ² Projections
	<i>Million bushels</i>		
Beginning Stocks	438	909	620
Production	4,428	3,552	4,135
Imports	14	15	15
Supply, total	4,880	4,476	4,770
Crushings	2,092	2,155	2,160
Exports	1,752	1,650	2,050
Seed	88	97	100
Residual	39	-46	35
Use, total	3,971	3,857	4,345
Ending stocks	909	620	425
Avg. farm price (\$/bu)	8.48	8.55	8.50

¹Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm>

Chickens & Eggs

Wisconsin **egg production** during June 2020 was 188 million eggs, down 4% from last month but up 1% from last year. The average number of **all layers on hand** during June 2020 was 7.77 million, up 2% from last month and up 6% from last year. **Eggs per 100 layers** for June were 2,417, down 5% from both last month and last year.

United States egg production totaled 8.81 billion during June 2020, down 4% from last year. Production included 7.60 billion table eggs, and 1.21 billion hatching eggs, of which 1.13 billion were broiler-type and 80.2 million were egg-type. The average number of layers during June 2020 totaled 382 million, down 3% from last year. June egg production per 100 layers was 2,304 eggs, down 1% from June 2019.

Total layers in the United States on July 1, 2020 totaled 381 million, down 3% from last year. The 381 million layers consisted of 316 million layers producing table or market type eggs, 61.2 million layers producing broiler-type hatching eggs, and 3.28 million layers producing egg-type hatching eggs. Rate of lay per day on July 1, 2020, averaged 77.9 eggs per 100 layers, up slightly from July 1, 2019.

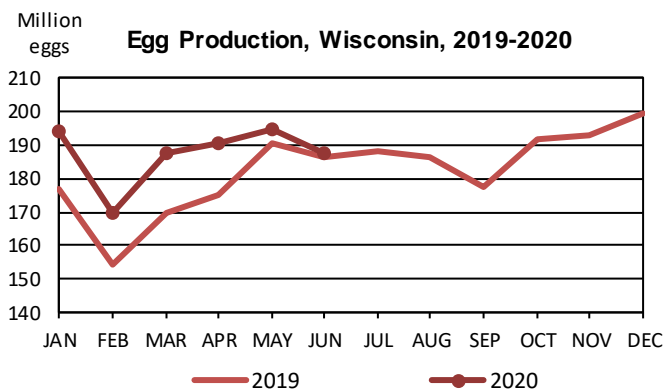
Egg-type chicks hatched during June 2020 totaled 54.9 million, up 6% from June 2019. Eggs in incubators totaled 46.3 million on July 1, 2020, down 3% from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 363 thousand during June 2020, up 34% from June 2019. Broiler-type chicks hatched during June 2020 totaled 828 million, down 1% from June 2019. Eggs in incubators totaled 701 million on July 1, 2020, up 1% from a year ago.

**Layers on Hand and Eggs Produced
Wisconsin and United States, June 2019 and 2020**

Commodity	Wisconsin		United States	
	2019	2020	2019	2020
Table egg layers in flocks 30,000 & above.....(1,000 layers)	6,215	6,656	316,101	302,471
All layers on hand.....(1,000 layers)	7,314	7,771	394,862	382,430
Eggs per 100 layers.....(eggs)	2,551	2,417	2,334	2,304
Total egg production.....(million eggs)	186.6	187.8	9,215.3	8,810.8
Table egg production.....(million eggs)	180.9	181.8	8,037.9	7,602.7

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



Mink

Wisconsin continues to be the leader in the U.S. for **mink pelt production** and females bred. The State’s pelt production in 2019 totaled 1,016,220 pelts. Utah was the second largest producing state with 556,710 pelts. Nationwide, mink pelt production during 2019 totaled 2,704,200 pelts, down 15% from 2018. Wisconsin’s production was down 1% in 2019 and accounted for 38% of the nation’s total pelt production.

The percentages of pelts produced in 2019 in Wisconsin by color class were: Black at 62%, White at 15%, Blue Iris at 8%, and Sapphire at 4%. The remaining color classes accounted for 11%.

Female mink bred in Wisconsin to produce kits in 2020 totaled 107,670, down 56% from last year. Utah came in second with 103,500 females bred. Nationally, females bred to produce kits in 2020 totaled 359,850, down 48% from 2019. Wisconsin accounted for 30% of the U.S. total females bred.

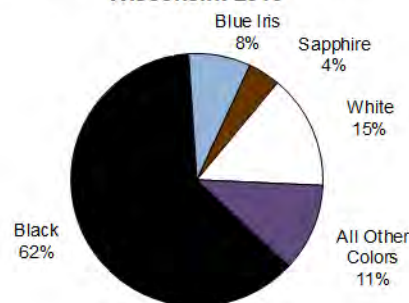
The **value of U.S. pelts produced** during the 2019 crop year was \$59.2 million, down 30% from \$84.3 million a year ago. The average price per pelt for the 2019 crop year was \$21.90, down \$4.70 from \$26.60 in 2018

Mink Females Bred and Pelts Produced – Wisconsin and United States: 2015-2019

Year	Females Bred		Pelts Produced ¹	
	WI	US	WI	US
2016	254,490	767,110	1,147,310	3,454,410
2017	246,620	770,400	1,133,180	3,400,080
2018	264,260	776,440	1,030,600	3,169,560
2019	244,000	695,650	1,016,220	2,704,200
2019	107,670	359,850	(NA)	(NA)

(NA) Not available ¹2020 Pelts Produced will be available July 2021.

**Pelts Produced by Color Class
Wisconsin: 2019**



Cattle & Calves

All cattle and calves in the United States on July 1, 2020 totaled 103 million head, slightly above the 103 million head on July 1, 2019.

All cows and heifers that have calved totaled 41.4 million head, slightly below the 41.6 million head on July 1, 2019. Beef cows, at 32.1 million head, down 1 percent from a year ago. Milk cows, at 9.35 million head, up 1 percent from previous year.

All heifers 500 pounds and over on July 1, 2020 totaled 16.5 million head, 1 percent above the 16.4 million head on July 1, 2019. Beef replacement heifers, at 4.40 million head, unchanged from a year ago. Milk replacement heifers, at 4.10 million head, unchanged from previous year. Other heifers, at 8.00 million head, 1 percent above a year earlier.

Steers 500 pounds and over on July 1, 2020 totaled 15.0 million head, up 2 percent from July 1, 2019.

Bulls 500 pounds and over on July 1, 2020 totaled 2.10 million head, unchanged from previous year.

Calves under 500 pounds on July 1, 2020 totaled 28.0 million head, down slightly from a year earlier.

Cattle and calves on feed for the slaughter market in the United States for all feedlots totaled 13.6 million head on July 1, 2020, unchanged from previous year. Cattle on feed in feedlots with capacity of 1,000 or more head accounted for 84.1 percent of the total cattle on feed on July 1, 2020, down slightly from previous year. The total of calves under 500 pounds and other heifers and steers over 500 pounds (outside of feedlots), at 37.4 million head, up 1 percent from the 37.1 million head on July 1, 2019.

The 2020 calf crop in the United States is expected to be 35.8 million head, down 1 percent from last year. Calves born during the first half of 2020 are estimated at 26.1 million head, down 1 percent from the first half of 2019. An additional 9.70 million calves are expected to be born during the second half of 2020.

**Cattle Inventory by Class and Calf Crop—
United States: July 1, 2019 and 2020**

Class	2019	2020	Percent of previous year
	<i>(1,000 head)</i>		
All cattle and calves	102,900	103,000	100
All cows that have calved	41,600	41,400	100
Beef cows	32,300	32,050	99
Milk cows	9,300	9,350	101
Heifers 500 pounds and over	16,400	16,500	101
For beef cow replacement	4,400	4,400	100
For milk cow replacement	4,100	4,100	100
Other heifers	7,900	8,000	101
Steers 500 pounds and over	14,700	15,000	102
Bulls 500 pounds and over	2,100	2,100	100
Calves under 500 pounds	28,100	28,000	100
Calf crop	13,600	13,600	100
Cattle on feed ¹	36059.6	35800.0	99

¹Cattle and calves on feed are animals for slaughter market being fed a ration of grain or other concentrates and are expected to produce a carcass that will grade select or better. Cattle and calves on feed are included in the cattle inventory estimates by classes.

**Calf Crop and Percent of Total by Six-Month Period –
United States: 2019 and Preliminary 2020**

Period	2019		2020	
	Number	Percent of total	Number	Percent of total
	<i>(1,000 head)</i>	<i>(percent)</i>	<i>(1,000 head)</i>	<i>(percent)</i>
January 1—June 30	26,350.0	73.1	26,100.0	72.9
July 1—December 31	9,709.6	26.9	9,700.0	27.1
Total	36,059.6	100.0	35,800.0	100.0



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WISCONSIN FARM REPORTER

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Inside This Issue:

- Milk Prices
- Agricultural Prices Received
- Farm Production Expenditures
- Honey Bee Colonies
- Cash Rents
- Land Values

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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

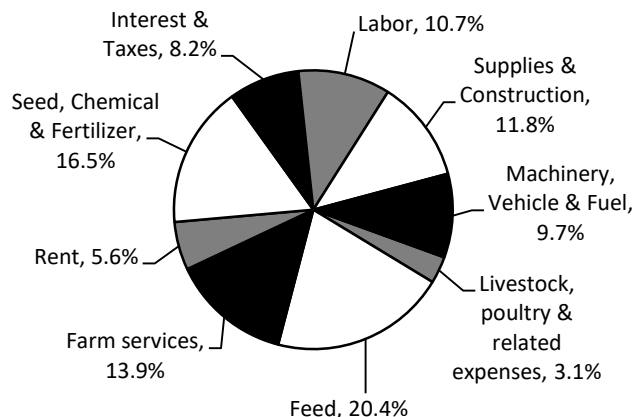
Wisconsin farm production expenditures totaled \$10.6 billion in 2019. This was an increase of 5% from the 2018 total expenditures. Feed expense, which increased 20% to \$2.15 billion, represented the largest single production expense in Wisconsin in 2019, accounting for 20% of the total. Farm Services 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
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

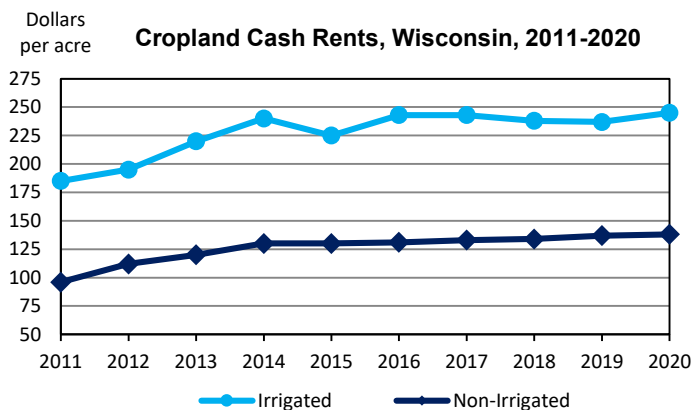
Wisconsin’s farm real estate value, a measurement of the value of all land and buildings on farms, averaged \$4,850 per acre in 2020. This was down \$100 per acre or 2% from last year’s level.

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.



The Wisconsin Farm Reporter has been made possible through the cooperative efforts of the U.S. Department of Agriculture, National Agricultural Statistics Service and the Wisconsin Department of Agriculture, Trade, and Consumer Protection.

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WISCONSIN FARM REPORTER

August 26, 2020 - Vol. 20, No. 14

Inside This Issue:

- Milk Production
- Crop Production
- Chickens & Eggs
- Wisconsin's Rank in the Nation's Agricultural Production

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

Milk Cows and Production, Selected States, July 2019 and 2020

State	Milk cows ¹		Rate per cow ²		Production ²		Change from 2019
	2019	2020	2019	2020	2019	2020	
	(1,000 head)		(pounds)		(million pounds)	(percent)	
Arizona	195	197	1,940	1,930	378	380	0.5
California	1,725	1,721	1,965	1,980	3,390	3,408	0.5
Colorado	187	197	2,205	2,215	412	436	5.8
Florida	115	110	1,670	1,645	192	181	-5.7
Georgia	81	81	1,765	1,755	143	142	-0.7
Idaho	626	640	2,190	2,190	1,371	1,402	2.3
Illinois	83	83	1,685	1,745	140	145	3.6
Indiana	176	180	1,880	1,950	331	351	6.0
Iowa	217	217	1,990	2,035	432	442	2.3
Kansas	162	167	1,970	1,965	319	328	2.8
Michigan	425	428	2,255	2,300	958	984	2.7
Minnesota	447	442	1,895	1,945	847	860	1.5
New Mexico	326	326	2,130	2,015	694	657	-5.3
New York	627	626	2,050	2,090	1,285	1,308	1.8
Ohio	250	254	1,820	1,870	455	475	4.4
Oregon	124	123	1,805	1,790	224	220	-1.8
Pennsylvania	485	482	1,715	1,795	832	865	4.0
South Dakota	123	136	1,910	1,930	235	262	11.5
Texas	565	590	2,065	2,065	1,167	1,218	4.4
Utah	97	97	2,010	2,010	195	195	0.0
Vermont	126	122	1,810	1,770	228	216	-5.3
Virginia	74	74	1,605	1,660	119	123	3.4
Washington	281	279	2,120	2,105	596	587	-1.5
Wisconsin	1,268	1,257	2,050	2,080	2,599	2,615	0.6
24-State Total	8,785	8,829	1,997	2,016	17,542	17,800	1.5

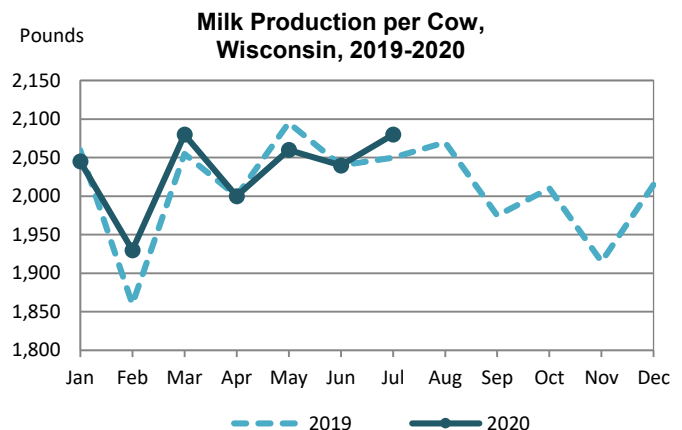
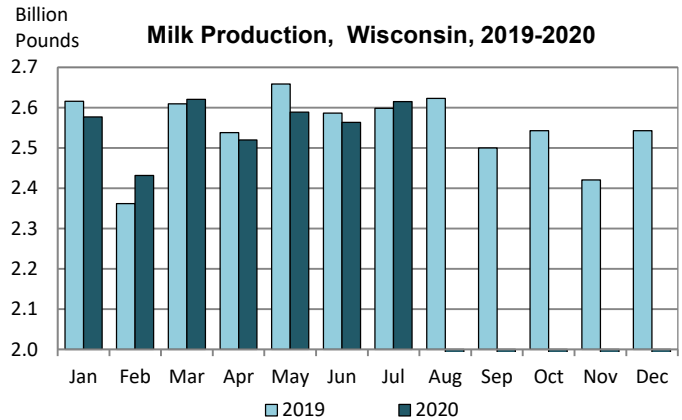
¹Includes dry cows. Excludes heifers not yet fresh. ²Excludes milk sucked by calves.

Milk Production

Milk production in Wisconsin during July 2020 totaled 2.62 billion pounds, up 1% from the previous July. The average number of milk cows during July, at 1.26 million head, was equal to last month but down 11,000 from last year. Monthly production per cow averaged 2,080 pounds, up 30 pounds from last July.

Milk production in the 24 major States during July totaled 17.8 billion pounds, up 1.5% from July 2019. June revised production, at 17.5 billion pounds, was up 0.8% from June 2019. The June revision represented an increase of 59 million pounds or 0.3% from last month's preliminary production estimate. Production per cow in the 24 major States averaged 2,016 pounds for July, 19 pounds above July 2019. The number of milk cows on farms in the 24 major States was 8.83 million head, 44,000 head more than July 2019, and 2,000 head more than June 2020.

Milk production in the United States during July totaled 18.6 billion pounds, up 1.5% from July 2019. Production per cow in the United States averaged 1,994 pounds for July, 21 pounds above July 2019. The number of milk cows on farms in the United States was 9.35 million head, 37,000 head more than July 2019, and 2,000 head more than June 2020.



Crop Production

Wisconsin

Wisconsin **corn** production is forecast at 525 million bushels. Based on conditions as of August 1, yields are expected to average 181.0 bushels per acre, an increase of 15.0 bushels per acre from last year. If realized, this would be a record high yield, surpassing the 178.0 bushels per acre in 2016. Planted area is estimated at 4.00 million acres. An estimated 2.90 million acres will be harvested for grain.

Soybean production is forecast at 110 million bushels, down 30.2 million from last year. If realized, this would be a record high soybean production for Wisconsin, surpassing the previous record of 107 million bushels in 2016. The yield is forecast at 54.0 bushels per acre, 7.0 bushels above 2019. If realized, this would be Wisconsin's second highest yield on record, behind the 55.0 bushels per acre yield in 2016. Soybean planted acreage is estimated at 2.05 million acres with 2.03 million acres expected to be harvested.

Winter wheat production is forecast at 8.52 million bushels, down 1.08 million bushels from 2019. Yields are expected to average 71.0 bushels per acre, up 1.0 bushel from the July forecast and up 7.0 bushels from last year. An estimated 120,000 acres will be harvested for grain.

Oat production is forecast at 7.38 million bushels, up 895,000 bushels from 2019. The yield is forecast at 59.0 bushels per acre, down 7.0 bushels from July but up 5.0 bushels from 2019. An estimated 125,000 acres will be harvested for grain.

Wisconsin hay yield for **alfalfa and alfalfa mixtures** is forecast at 2.60 tons per acre, with a total production of 1.92 million tons, down 188,000 tons from 2019. The forecasted yield for **other hay** is 2.10 tons per acre, with a production of 693,000 tons.

The forecasts in this report are based on August 1 conditions and do not reflect weather effects since that time. The next crop production forecasts, based on conditions as of September 1, will be released on September 11.

Area Harvested, Yield, and Production: Wisconsin and United States, 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	<i>(1,000 acres)</i>		<i>(bushels)</i>		<i>(1,000 bushels)</i>	
Wisconsin						
Corn..... (bushels)	2,670	2,900	166.0	181.0	443,220	524,900
Hay, alfalfa..... (tons)	880	740	2.40	2.60	2,112	1,924
Hay, other..... (tons)	420	330	1.60	2.10	672	693
Oats..... (bushels)	120	125	54.0	59.0	6,480	7,375
Soybeans..... (bushels)	1,690	2,030	47.0	54.0	79,430	109,620
Wheat, winter..... (bushels)	150	120	64.0	71.0	9,600	8,520
United states						
Corn..... (bushels)	81,322	84,023	167.4	181.8	13,617,261	15,278,202
Hay, alfalfa..... (tons)	16,743	16,352	3.28	3.16	54,875	51,660
Hay, other..... (tons)	35,682	36,029	2.07	2.04	73,989	73,590
Oats..... (bushels)	826	998	64.3	65.0	53,148	64,907
Soybeans..... (bushels)	74,951	83,020	47.4	53.3	3,552,241	4,424,800
Wheat, winter..... (bushels)	24,327	23,439	53.6	51.1	1,304,003	1,198,362

U.S. Corn Supply and Use¹

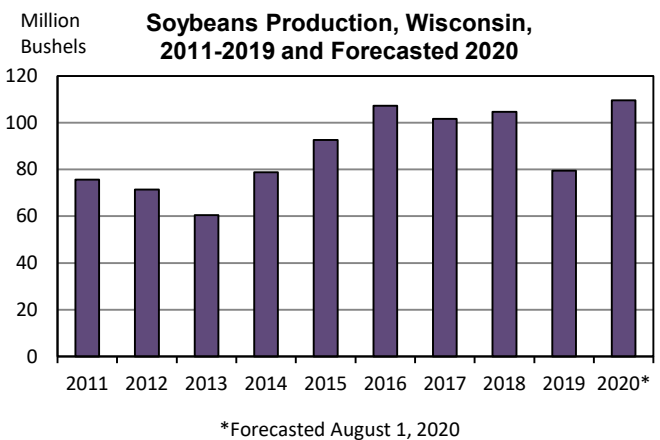
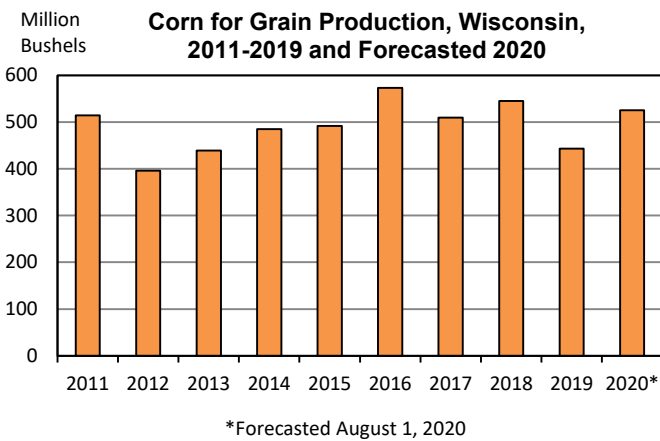
CORN	2018-2019	2019-2020 (Est.)	2020-2021 Projections
	<i>(million bushels)</i>		
Beginning stocks	2,140	2,221	2,228
Production	14,340	13,617	15,278
Imports	28	45	25
Supply, total	16,509	15,883	17,531
Feed & residual	5,429	5,600	5,925
Food, seed & industrial	6,793	6,260	6,625
Domestic, total	12,222	11,860	12,550
Exports	2,066	1,795	2,225
Use, total	14,288	13,655	14,775
Ending stocks	2,221	2,228	2,756
Avg. Farm price (\$/bu)	3.61	3.60	3.10

¹Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm>

U.S. Soybean Supply and Use¹

SOYBEANS	2018-2019	2019-2020 (Est.)	2020-2021 Projections
	<i>(million bushels)</i>		
Beginning stocks	438	909	615
Production	4,428	3,552	4,425
Imports	14	15	15
Supply, total	4,880	4,476	5,055
Crushings	2,092	2,160	2,180
Exports	1,752	1,650	2,125
Seed	88	97	100
Residual	39	-46	40
Use, total	3,971	3,862	4,445
Ending stocks	909	615	610
Avg. Farm price (\$/bu)	8.48	8.55	8.35

¹Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm>



United States

Corn production for grain is forecast at a record high 15.3 billion bushels, up 12% from 2019. Based on conditions as of August 1, yields are expected to average a record high 181.8 bushels per harvested acre, up 14.4 bushels from last year. Area harvested for grain is forecast at 84.0 million acres, unchanged from the June forecast, but up 3% from the previous year.

Soybean production for beans is forecast at 4.42 billion bushels, up 25% from 2019. Based on conditions as of August 1, yields are expected to average a record high 53.3 bushels per harvested acre, up 5.9 bushels from 2019. Area harvested for beans in the United States is forecast at 83.0 million acres, unchanged from the previous forecast but up 11% from 2019.

Winter wheat production is forecast at 1.20 billion bushels, down 2% from the July 1 forecast and down 8% from 2019. As of August 1, the United States yield is forecast at 51.1 bushels per acre, down 0.9 bushel from last month and down 2.5 bushels from last year's average yield of 53.6 bushels per acre. The area expected to be harvested for grain or seed totals 23.4 million acres, unchanged from the previous forecast, but down 4% from last year.

Oat production is forecast at 64.9 million bushels, up 22% from 2019. Growers expect to harvest 998,000 acres for grain, unchanged from the previous forecast, but up 21% from 2019. Based on conditions as of August 1, the United States yield is forecast at 65.0 bushels per acre, down 0.2 bushel from the previous forecast but 0.7 bushel above the 2019 average yield.

Chickens & Eggs

Wisconsin **egg production** during July 2020 was 198 million eggs, up 6% from last month and up 5% from last year. The average number of **all layers on hand** during July 2020 was 7.87 million, up 1% from last month and up 9% from last year. **Eggs per 100 layers** for July were 2,519, up 4% from last month but down 4% from last year.

United States egg production totaled 9.27 billion during July 2020, down 2% from last year. Production included 8.01 billion table eggs, and 1.25 billion hatching eggs, of which 1.17 billion were broiler-type and 83.2 million were egg-type. The average number of layers during July 2020 totaled 379 million, down 3% from last year. July egg production per 100 layers was 2,445 eggs, up 1% from July 2019.

Total layers in the United States on August 1, 2020 totaled 378 million, down 4% from last year. The 378 million layers consisted of 314 million layers producing table or market type eggs, 60.6 million layers producing broiler-type hatching eggs, and 3.30 million layers producing egg-type hatching eggs. Rate of lay per day on August 1, 2020, averaged 79.7 eggs per 100 layers, up 2% from August 1, 2019.

Egg-type chicks hatched during July 2020 totaled 46.1 million, down 9% from July 2019. Eggs in incubators totaled 46.3 million on August 1, 2020, down 3% from a year ago.

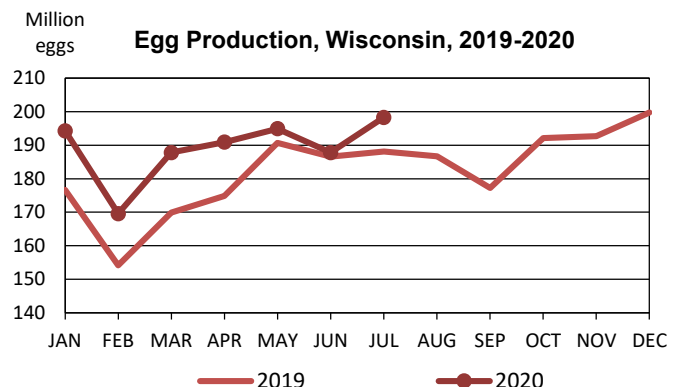
Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 294,000 during July 2020, up 15% from July 2019.

Broiler-type chicks hatched during July 2020 totaled 851 million, up slightly from July 2019. Eggs in incubators totaled 688 million on August 1, 2020, down 2% from a year ago.

Layers on Hand and Eggs Produced Wisconsin and United States, July 2019 and 2020

Commodity	Wisconsin		United States	
	2019	2020	2019	2020
Table egg layers in flocks 30,000 & above.....(1,000 layers)	6,079	6,770	314,118	299,141
All layers on hand.....(1,000 layers)	7,204	7,873	392,313	379,013
Eggs per 100 layers.....(eggs)	2,611	2,519	2,410	2,445
Total egg production.....(million eggs)	188.1	198.3	9,453.5	9,265.5
Table egg production.....(million eggs)	182.0	192.0	8,240.8	8,013.8

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



WISCONSIN'S RANK IN THE NATION'S AGRICULTURAL PRODUCTION, 2019

Commodity	Rank among states	Unit	Wisconsin (Thousands)	Percent of U.S.	United States (Thousands)	Leading state
DAIRY						
Milk production	2	Lbs.	30,601,000	14.0	218,382,000	California
Cheese, total (excluding cottage cheese)	1	Lbs.	3,363,863	25.6	13,137,243	Wisconsin
American	1	Lbs.	1,003,082	19.2	5,232,242	Wisconsin
Cheddar	1	Lbs.	712,595	19.1	3,736,742	Wisconsin
Hispanic	2	Lbs.	98,242	29.5	333,029	California
Italian	1	Lbs.	1,698,941	30.0	5,670,525	Wisconsin
Mozzarella	2	Lbs.	1,110,363	24.7	4,494,583	California
Dry whey, human food	1	Lbs.	285,831	29.7	961,792	Wisconsin
LIVESTOCK AND POULTRY						
Cattle and calves, all 1/	9	Head	3,450	3.7	94,413	Texas
Milk cows 1/	2	Head	1,260	13.5	9,335	California
Hogs and pigs, all 2/	18	Head	365	0.5	79,048	Iowa
Sheep 1/	19	Head	81	1.6	5,200	Texas
Milk goats 1/	1	Head	82	18.6	440	Wisconsin
Chickens 2/	15	Head	9,699	1.8	532,498	Iowa
Broilers	20	Head	58,500	0.6	9,177,200	Georgia
Eggs	15	Eggs	2,163,100	1.9	113,253,400	Iowa
Mink pelts	1	Pelts	1,016	37.6	2,704	Wisconsin
Honey	16	Lbs.	2,162	1.4	156,922	North Dakota
CROPS						
Corn for grain	9	Bu.	443,220	3.3	13,617,261	Iowa
Corn for silage	1	Tons	18,200	13.7	132,807	Wisconsin
Soybeans	13	Bu.	79,430	2.2	3,552,241	Illinois
Barley	19	Bu.	368	0.2	169,566	Idaho
Oats	2	Bu.	6,480	12.2	53,148	North Dakota
Wheat, winter	21	Bu.	9,600	0.7	1,304,003	Kansas
Forage (dry equivalent), all	7	Tons	6,135	7.4	83,214	Texas
Hay (dry only), all	18	Tons	2,784	2.2	128,864	Texas
Potatoes, all	3	Cwt.	28,220	6.7	422,890	Idaho
Cherries, tart	4	Lbs.	9,100	3.5	262,000	Michigan
Cranberries	1	Barrels	4,670	59.0	7,917	Wisconsin
Maple syrup	4	Gals.	270	6.5	4,180	Vermont
Cabbage, all	8	Cwt.	1,325	6.1	21,706	California
Carrots, all	3	Cwt.	1,601	3.2	49,803	California
Green peas, all	3	Cwt.	1,087	21.6	5,038	Washington
Snap beans, all	1	Cwt.	6,223	37.6	16,557	Wisconsin
Sweet corn, all	3	Cwt.	8,645	13.7	62,966	Washington

1/January 1, 2020 inventory. 2/December 1, 2019.



The Wisconsin Farm Reporter has been made possible through the cooperative efforts of the U.S. Department of Agriculture, National Agricultural Statistics Service and the Wisconsin Department of Agriculture, Trade, and Consumer Protection.

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Wisconsin Crop Progress & Condition

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Cooperating with Wisconsin Department of Agriculture, Trade and Consumer Protection

For the week ending September 6, 2020
Issued September 8, 2020

Media Contact: Greg Bussler

Wisconsin had 5.8 days suitable for fieldwork for the week ending September 6, 2020, according to the USDA's National Agricultural Statistics Service. Ideal conditions for fieldwork allowed farmers to continue harvesting corn silage and the fourth cutting of hay. Daytime highs were mostly in the 70s but didn't rise out of the 60s in northern Wisconsin. Overnight lows fell into the 40s and upper 30s. Scattered thunderstorms brought a small amount of moisture, though soils remained unfavorably dry in some areas. Corn and soybeans were maturing rapidly in response to dryer weather and shorter days. The snap bean and sweet corn harvests were winding down. Manure applications and winter wheat planting continued as fields were cleared.

Topsoil moisture condition rated 9% very short, 22% short, 66% adequate and 3% surplus. **Subsoil moisture** condition rated 8% very short, 20% short, 68% adequate and 4% surplus.

Corn at dough stage or beyond was 94%, over 4 weeks ahead of last year and 10 days ahead of the 5-year average. Corn dented was 65%, twenty-one days ahead of last year and a week ahead of the average. Corn condition rated 78% good to excellent statewide, down 2 percentage points from last week. Corn for silage harvested was 24% complete, 22 days ahead of last year, and 9 days ahead of the average.

Soybeans coloring was 50%, 2 weeks ahead of last year and 5 days ahead of the average. Twelve percent of soybeans were dropping leaves, 12 days ahead of last year and 5 days ahead of the average. Soybean condition rated 81% good to excellent statewide, down 1 percentage point from last week.

Oats harvested was 97% complete, more than a month ahead of last year and 2 weeks ahead of the average.

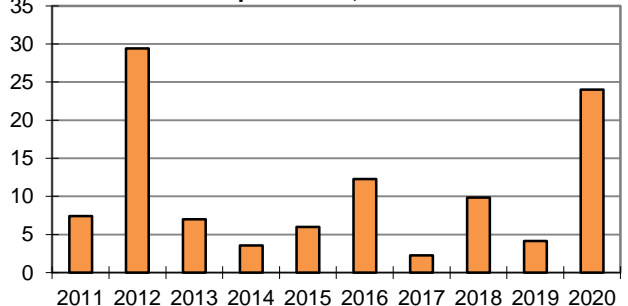
Potato harvest was reported as 40% complete, 10 days ahead of last year and a week ahead of the average. Potato condition rated 93% good to excellent statewide, up 4 percentage points from last week.

Winter wheat planted was 22% complete, 19 days ahead of last year and 2 weeks ahead of the average.

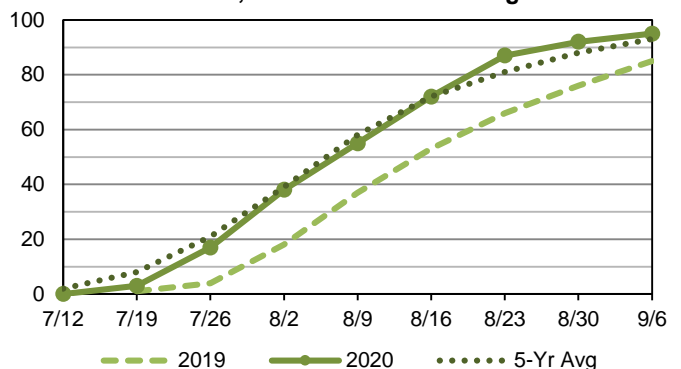
Third cutting of **alfalfa** was reported as 95% complete, 20 days ahead of last year and 4 days ahead of the average. Fourth cutting of alfalfa was reported as 46% complete, 15 days ahead of last year and 1 day ahead of the average. **All hay** condition rated 72% good to excellent statewide, down 2 percentage points from last week.

Pasture condition rated 59% good to excellent statewide, down 3 percentage points from last week.

Corn Harvested for Silage, Wisconsin, September 6, 2011-2020



Third Cutting Alfalfa Harvested, Wisconsin, 2019, 2020 and 5 Year Average



Crop Condition as of September 6, 2020

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	5	15	46	32
Hay, All.....	1	6	21	46	26
Pasture & range	4	10	27	38	21
Potatoes	0	1	6	72	21
Soybeans	1	4	14	44	37

Crop Progress as of September 6, 2020

Item	Districts										State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-yr average	
Alfalfa hay, third cutting	94	86	99	94	84	98	99	98	99	95	92	85	93	
Alfalfa hay, fourth cutting	47	45	50	47	26	50	48	52	51	46	22	27	45	
Corn dough	88	91	96	87	92	94	98	98	94	94	88	69	85	
Corn dented	56	33	65	57	70	64	71	77	73	65	45	27	52	
Corn mature	5	2	5	21	20	17	9	16	17	14	7	0	8	
Corn harvested for silage.....	6	7	15	31	30	16	48	38	42	24	8	4	7	
Oats harvested.....	93	89	100	99	99	98	100	99	100	97	94	77	90	
Soybeans coloring.....	45	19	27	46	52	45	54	63	66	50	20	11	30	
Soybeans dropping leaves .	10	1	9	22	10	6	15	7	25	12	3	1	5	
Winter wheat planted.....	12	10	31	16	16	30	29	8	18	22	12	6	6	

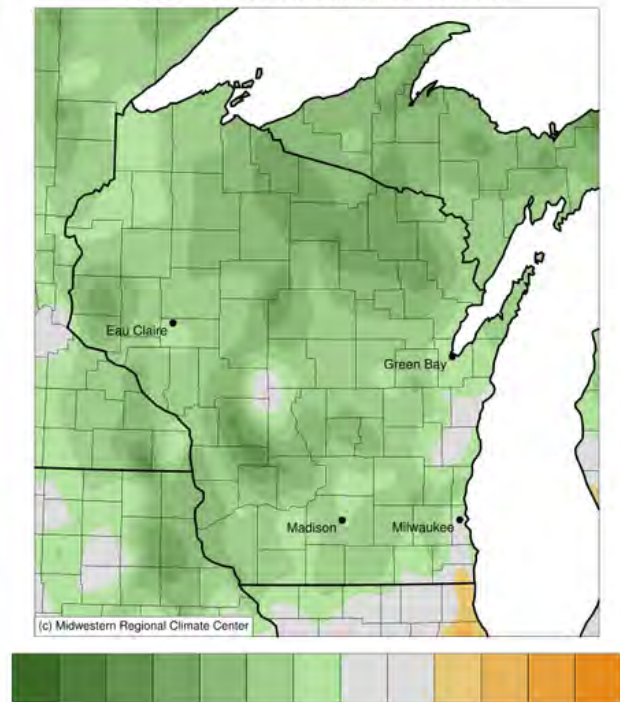
Days Suitable for Fieldwork and Soil Moisture Condition as of September 6, 2020

Item	Districts										State		
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	
Days suitable.....	5.5	6.7	5.4	5.7	5.4	5.9	6.1	5.3	6.5	5.8	5.3	5.1	
Topsoil moisture	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	
Very Short	3	0	11	12	13	6	10	10	16	9	10	0	
Short	11	13	34	28	13	23	17	22	44	22	19	8	
Adequate.....	83	86	55	59	72	66	73	60	40	66	65	83	
Surplus.....	3	1	0	1	2	5	0	8	0	3	6	9	
Subsoil moisture	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	
Very Short	3	0	4	11	11	7	11	10	9	8	8	0	
Short	10	7	20	24	11	32	16	21	39	20	20	7	
Adequate.....	85	92	68	64	75	55	71	60	52	68	68	83	
Surplus.....	1	2	8	1	3	6	2	9	0	4	4	10	

Wisconsin Temperatures and Precipitation for the week ending September 6, 2020

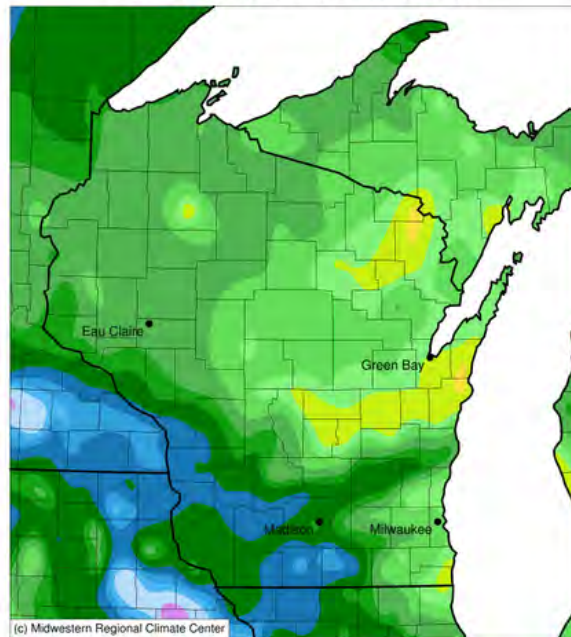
Maps from the Midwestern Regional Climate Center reflect data collected from 7:00 A.M. Central Time on August 31, 2020, through 7:00 A.M. Central Time on September 6, 2020.

Average Temperature (°F): Departure from 1981-2010 Normals
August 31, 2020 to September 06, 2020



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 9/8/2020 8:38:54 AM CDT

Accumulated Precipitation (in)
August 31, 2020 to September 06, 2020



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 9/8/2020 6:36:31 AM CDT

Temperature and Precipitation Maps, courtesy of the Midwestern Regional Climate Center, are available at: <http://mrcc.isws.illinois.edu/CLIMATE/>
National Weather Service data, courtesy of the Wisconsin State Climatology Office, is available at:
<http://www.aos.wisc.edu/~sco/clim-watch/index.html>
Growing Degree Days can be found at <https://mrcc.illinois.edu/U2U/gdd/>

Wisconsin Weekly Weather, Selected Cities, Ending as of 7:00 a.m. on September 6, 2020

City	Temperature						Growing degree days (modified base 50) ¹		Precipitation				
	Avg. max.	Avg. min.	High max.	Low min.	Avg.	Avg. dep. from normal *	Mar. 1 to Sep. 5	Mar. 1 to Sep. 5 normal*	Last Week	Since Sep. 1	Sep. 1 dep. from normal *	Year to date	Year dep. from normal *
Eau Claire	74	50	79	46	62	-4	2391	2341	0.62	0.01	-0.51	21.71	-1.07
Green Bay	75	50	79	48	62	-2	2292	2040	0.22	0.14	-0.35	24.08	+3.24
La Crosse	78	54	84	52	66	-2	2793	2583	1.98	0.00	(NA)	22.01	-2.58
Madison	76	52	81	46	64	-3	2462	2335	0.98	0.21	-0.36	29.65	+4.28
Milwaukee	77	60	83	55	69	-1	2560	2267	0.18	0.16	-0.35	29.48	+4.87

¹Formula used: GDD = (daily maximum (86°) + daily minimum (50°))/2-50°; where 86° is used if the maximum exceeds 86° and 50° is used if the minimum falls below 50°. *Normal based on 1981-2010 data. (NA)=not available. T=trace Source: NCEP/NOAA Climate Prediction Center <http://www.cpc.ncep.noaa.gov>.

This report has been made possible through the cooperative efforts of the U.S. Department of Agriculture, the Wisconsin Department of Agriculture, Trade, and Consumer Protection, and the National Weather Service.



United States Department of Agriculture
National Agricultural Statistics Service

Wisconsin Ag News – Crop Production



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Cooperating with Wisconsin Department of Agriculture, Trade and Consumer Protection

September 11, 2020

Media Contact: Greg Bussler

Wisconsin **corn** production is forecast at 528 million bushels according to the latest USDA, National Agricultural Statistics Service – *Crop Production* report. Based on conditions as of September 1, yields are expected to average 182.0 bushels per acre, an increase of 1.0 bushel per acre from the August 1 forecast and up 16.0 bushels per acre from last year. Corn planted acreage is estimated at 4.00 million acres. An estimated 2.90 million acres will be harvested for grain.

Soybean production is forecast at 110 million bushels. If realized, production would be a new record high for Wisconsin at 109,620,000 bushels; 2,370,000 bushels greater than the previous record of 107,250,000 set in 2016. The yield is forecast at 54.0 bushels per acre, unchanged from the August 1 forecast but 7.0 bushels above 2019. This would be Wisconsin’s second highest yield on record, behind the 55.0 bushels per acre yield in 2016. Soybean planted acreage is estimated at 2.05 million acres with 2.03 million acres to be harvested.

In response to the derecho experienced on August 10, NASS collected harvested acreage information for corn and soybeans in Iowa. Based on this additional data, NASS lowered corn harvested for grain area by 550,000 acres. Soybean acres were unchanged. Since many producers indicated they were still finalizing decisions regarding some of the impacted acres, NASS will collect harvested acreage for corn and soybeans in Iowa for the October *Crop Production* report.

The forecasts in this report are based on September 1 conditions and do not reflect weather effects since that time. The next crop production forecasts, based on conditions as of October 1, will be released on October 9.

Area Harvested, Yield, and Production – Wisconsin and United States: 2019 and Forecasted September 1, 2020

State	Area harvested		Yield per acre		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019	2020	2019 (1,000)	2020 (1,000)
Wisconsin						
Corn..... bushels	2,670	2,900	166.0	182.0	443,220	527,800
Soybeans..... bushels	1,690	2,030	47.0	54.0	79,430	109,620
United states						
Corn..... bushels	81,322	83,473	167.4	178.5	13,617,261	14,899,557
Soybeans..... bushels	74,951	83,020	47.4	51.9	3,552,241	4,312,819

U.S. Corn Supply and Use ¹

CORN	2018-2019	2019-2020 (Est.)	2020-2021 Projections September
	<i>(million bushels)</i>	<i>(million bushels)</i>	<i>(million bushels)</i>
Beginning stocks	2,140	2,221	2,253
Production	14,340	13,617	14,900
Imports	28	45	25
Supply, total	16,509	15,883	17,178
Feed & residual	5,429	5,600	5,825
Food, seed & industrial	6,793	6,265	6,525
Domestic, total	12,222	11,865	12,350
Exports	2,066	1,765	2,325
Use, total	14,288	13,630	14,675
Ending stocks	2,221	2,253	2,503
Avg. Farm price (\$/bu)	3.61	3.60	3.50

¹ Source: USDA OCE World Agricultural Supply and Demand Estimates Report
<http://www.usda.gov/oce/commodity/wasde/index.htm>

U.S. Soybean Supply and Use ¹

SOYBEANS	2018-2019	2019-2020 (Est.)	2020-2021 Projections September
	<i>(million bushels)</i>	<i>(million bushels)</i>	<i>(million bushels)</i>
Beginning stocks	438	909	575
Production	4,428	3,552	4,313
Imports	14	16	15
Supply, total	4,880	4,477	4,903
Crushings	2,092	2,170	2,180
Exports	1,752	1,680	2,125
Seed	88	97	100
Residual	39	-45	38
Use, total	3,971	3,903	4,442
Ending stocks	909	575	460
Avg. Farm price (\$/bu)	8.48	8.55	9.25

¹ Source: USDA OCE World Agricultural Supply and Demand Estimates Report
<http://www.usda.gov/oce/commodity/wasde/index.htm>

United States Summary

Corn production for grain is forecast at 14.9 billion bushels, down 2% from the previous forecast but up 9% from 2019. Based on conditions as of September 1, yields are expected to average a record high 178.5 bushels per harvested acre, down 3.3 bushels from the previous forecast but up 11.1 bushels from last year. Area harvested for grain is forecast at 83.5 million acres, down 1% from the previous forecast, but up 3% from the previous year.

Soybean production for beans is forecast at 4.31 billion bushels, down 3% from the previous forecast but up 21% from last year. Based on conditions as of September 1, yields are expected to average a record high 51.9 bushels per harvested acre, down 1.4 bushels from the previous forecast but up 4.5 bushels from 2019. Area harvested for beans in the United States is forecast at 83.0 million acres, unchanged from the previous forecast but up 11% from 2019.



Wisconsin Crop Progress & Condition

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Cooperating with Wisconsin Department of Agriculture, Trade and Consumer Protection

For the week ending September 13, 2020
Issued September 14, 2020

Media Contact: Greg Bussler

Wisconsin had 3.2 days suitable for fieldwork for the week ending September 13, 2020, according to the USDA's National Agricultural Statistics Service. Frequent rains kept farmers out of fields in southern Wisconsin, while clearer weather in the northern districts allowed fieldwork to progress. Several reporters noted that this week's rains recharged soil moistures after weeks of dry conditions. Temperatures were well below normal, with daytime highs in the 40s to low 60s. Northern and central Wisconsin saw the first frosts of the season midweek. Corn and soybeans were maturing quickly. Corn silage chopping made good progress where conditions allowed. Manure, winter wheat and cover crops were going into cleared fields. There were reports of early-planted soybeans being combined. The potato harvest was moving right along and apple picking was in full swing.

Topsoil moisture condition rated 5% very short, 14% short, 73% adequate and 8% surplus. **Subsoil moisture** condition rated 5% very short, 14% short, 74% adequate and 7% surplus.

Corn at dough stage or beyond was 96%, over 4 weeks ahead of last year and 11 days ahead of the 5-year average. Corn dented was 77%, twenty-four days ahead of last year and 6 days ahead of the average. Twenty-six percent of corn was reported mature, 3 weeks ahead of last year and 17 days ahead of the average. Corn condition rated 78% good to excellent statewide, unchanged from last week. Corn for silage harvested was 39% complete, 27 days ahead of last year, and 9 days ahead of the average.

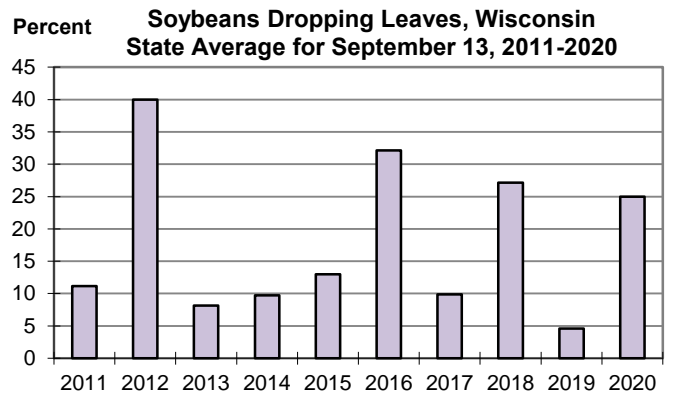
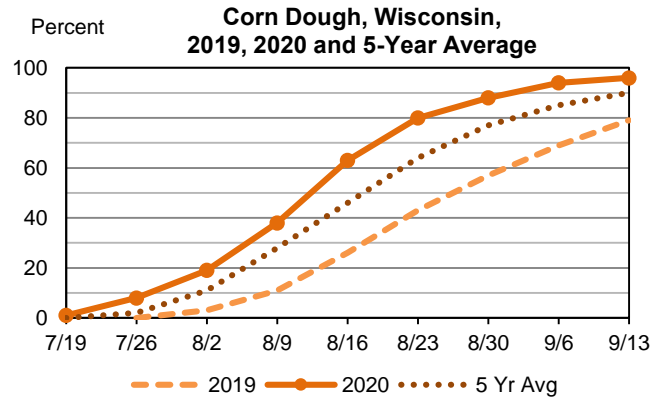
Soybeans coloring was 73%, 2 weeks ahead of last year and 6 days ahead of the average. Twenty-five percent of soybeans were dropping leaves, 10 days ahead of last year and 3 days ahead of the average. Soybean condition rated 79% good to excellent statewide, down 2 percentage points from last week.

Potato harvest was reported as 47% complete, 10 days ahead of last year and 5 days ahead of the average. Potato condition rated 92% good to excellent statewide, down 1 percentage point from last week.

Winter wheat planted was 33% complete, 27 days ahead of last year and 2 weeks ahead of the average.

Fourth cutting of **alfalfa** was reported as 63% complete, 24 days ahead of last year and 3 days ahead of the average.

Pasture condition rated 59% good to excellent statewide, unchanged from last week.



Crop Condition as of September 13, 2020

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	5	15	46	32
Pasture & range	5	9	27	36	23
Potatoes	1	1	6	73	19
Soybeans	2	4	15	43	36

Crop Progress as of September 13, 2020

Item	Districts										State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-yr average	
Alfalfa hay, fourth cutting	59	57	65	73	45	58	68	63	70	63	46	36	58	
Corn dough	91	94	100	93	95	97	99	99	95	96	94	76	90	
Corn dented	71	39	89	73	74	75	86	84	84	77	65	40	66	
Corn mature	12	6	9	34	31	24	27	33	31	26	14	1	17	
Corn harvested for silage.....	18	10	34	51	41	32	73	51	50	39	24	7	18	
Soybeans coloring.....	75	56	54	66	75	75	81	74	81	73	50	27	55	
Soybeans dropping leaves .	22	4	20	29	20	21	34	23	43	25	12	5	17	
Winter wheat planted.....	39	16	42	26	26	36	41	28	24	33	22	9	13	

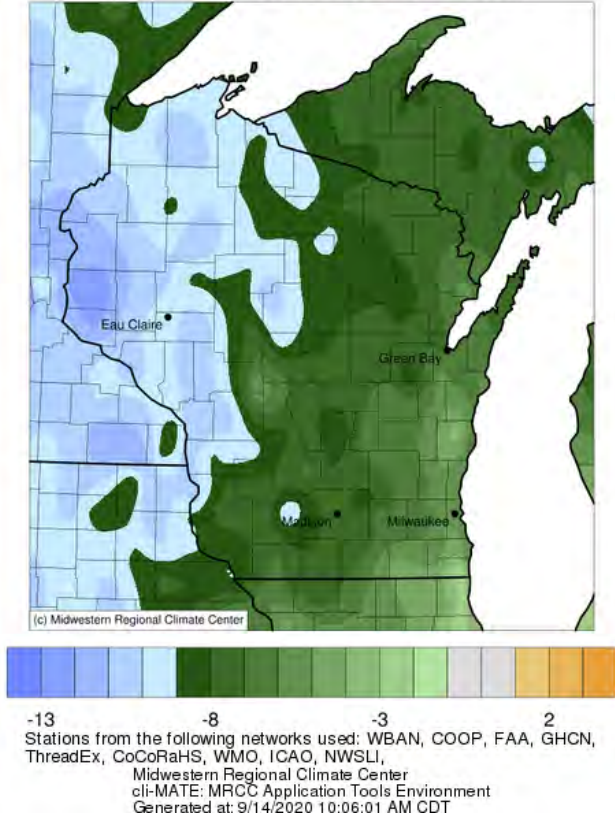
Days Suitable for Fieldwork and Soil Moisture Condition as of September 13, 2020

Item	Districts										State		
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	
Days suitable.....	4.6	4.7	4.4	4.0	3.1	3.1	2.1	2.1	2.0	3.2	5.8	2.5	
Topsoil moisture	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	
Very Short	2	1	0	12	12	2	0	7	3	5	9	0	
Short	11	7	16	21	13	16	10	17	9	14	22	2	
Adequate.....	83	91	80	64	60	73	84	62	73	73	66	66	
Surplus.....	4	1	4	3	15	9	6	14	15	8	3	32	
Subsoil moisture	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	
Very Short	2	1	3	12	10	2	1	7	3	5	8	0	
Short	11	1	17	18	11	15	13	16	25	14	20	1	
Adequate.....	85	98	72	69	69	73	83	61	64	74	68	69	
Surplus.....	2	0	8	1	10	10	3	16	8	7	4	30	

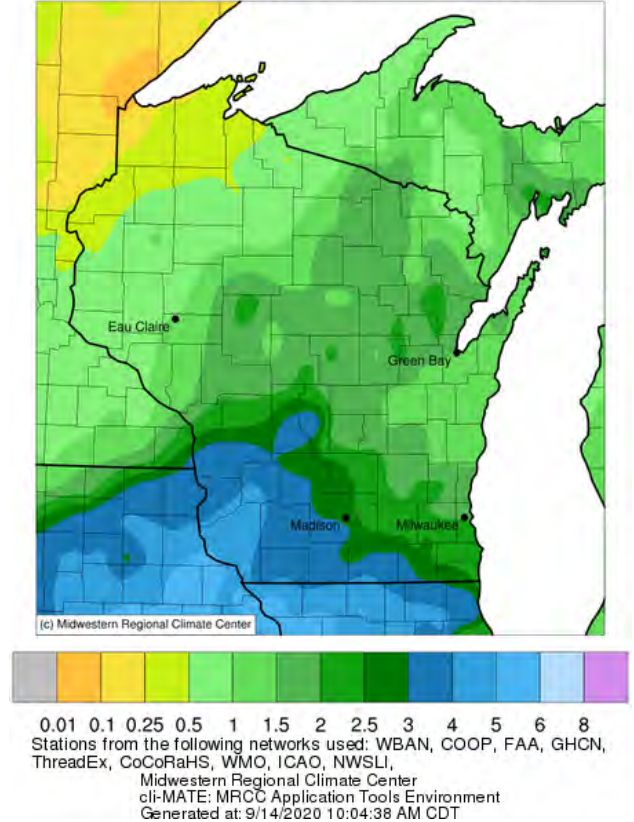
Wisconsin Temperatures and Precipitation for the week ending September 13, 2020

Maps from the Midwestern Regional Climate Center reflect data collected from 7:00 A.M. Central Time on September 7, 2020, through 7:00 A.M. Central Time on September 13, 2020.

Average Temperature (°F): Departure from 1981-2010 Normals
September 07, 2020 to September 13, 2020



Accumulated Precipitation (in)
September 07, 2020 to September 13, 2020



Temperature and Precipitation Maps, courtesy of the Midwestern Regional Climate Center, are available at: <http://mrcc.isws.illinois.edu/CLIMATE/>

National Weather Service data, courtesy of the Wisconsin State Climatology Office, is available at: <http://www.aos.wisc.edu/~sco/clim-watch/index.html>

Growing Degree Days can be found at <https://mrcc.illinois.edu/U2U/gdd/>

Wisconsin Weekly Weather, Selected Cities, Ending as of 7:00 a.m. on September 13, 2020

City	Temperature						Growing degree days (modified base 50) ¹		Precipitation				
	Avg. max.	Avg. min.	High max.	Low min.	Avg.	Avg. dep. from normal *	Mar. 1 to Sep. 12	Mar. 1 to Sep. 12 normal*	Last Week	Since Sep. 1	Sep. 1 dep. from normal *	Year to date	Year dep. from normal *
Eau Claire	62	45	80	35	54	-10	2440	2440	1.04	1.05	-0.46	22.75	-0.92
Green Bay	65	47	77	37	56	-6	2350	2132	1.63	1.78	+0.58	25.72	+4.17
La Crosse	64	52	82	46	58	-8	2853	2695	2.16	2.16	+0.68	24.17	-1.29
Madison	62	51	78	46	56	-7	2514	2438	3.00	3.21	+1.88	32.65	+6.53
Milwaukee	67	56	81	51	62	-4	2640	2379	0.13	0.29	-0.93	29.61	+4.30

¹Formula used: GDD = (daily maximum (86°) + daily minimum (50°))/2-50°; where 86° is used if the maximum exceeds 86° and 50° is used if the minimum falls below 50°. *Normal based on 1981-2010 data. (NA)=not available. T=trace Source: NCEP/NOAA Climate Prediction Center <http://www.cpc.ncep.noaa.gov>.

This report has been made possible through the cooperative efforts of the U.S. Department of Agriculture, the Wisconsin Department of Agriculture, Trade, and Consumer Protection, and the National Weather Service.