



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

Chickens & Eggs

Wisconsin **egg production** during April 2019 was 169 million eggs, up 2 percent from last month but down 2 percent from last year. The average number of **all layers on hand** during April 2019 was 7.05 million, down 1 percent from last month and down 4 percent from last year. **Eggs per 100 layers** for April were 2,402, up 3 percent from both last month and last year.

United States egg production totaled 9.34 billion during April 2019, up 5 percent from last year. Production included 8.18 billion table eggs, and 1.17 billion hatching eggs, of which 1.08 billion were broiler-type and 87.1 million were egg-type. The average number of layers during April 2019 totaled 403 million, up 3 percent from last year. April egg production per 100 layers was 2,318 eggs, up 2 percent from April 2018.

All layers in the United States on May 1, 2019 totaled 402 million, up 2 percent from last year. The 402 million layers consisted of 339 million layers producing table or market type eggs, 59.4 million layers producing broiler-type hatching eggs, and 3.59 million layers producing egg-type hatching eggs. Rate of lay per day on May 1, 2019, averaged 77.2 eggs per 100 layers, up 2 percent from May 1, 2018.

Layers on Hand and Eggs Produced, Wisconsin and United States, April 2018 and 2019

	Wisconsin		United States	
	2018	2019	2018	2019
Table egg layers in flocks 30,000 & above (1,000 layers)	6,297	5,940	23,751	26,628
All layers on hand (1,000 layers)	7,372	7,049	34,022	32,719
Eggs per 100 layers (eggs)	2,339	2,402	2,277	2,318
Total egg production (million eggs)	172.4	169.3	8,932.3	9,341.5
Table egg production (million eggs)	(D)	163.7	7,785.1	8,176.5

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

Milk Production

Milk production in Wisconsin during April 2019 totaled 2.54 billion pounds, up less than 1 percent from the previous April. The average number of milk cows during April, at 1.27 million head, was the same as last month but down 4,000 from last year. Monthly production per cow averaged 2,000 pounds, up 15 pounds from last April.

Milk production in the 23 major States during April totaled 17.4 billion pounds, up 0.3 percent from April 2018. March revised production, at 17.8 billion pounds, was down 0.3 percent from March 2018. The March revision represented a decrease of 40 million pounds or 0.2 percent from last month's preliminary production estimate.

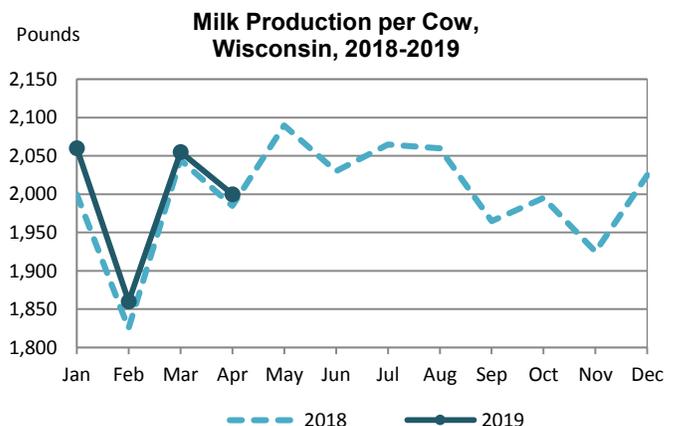
Production per cow in the 23 major States averaged 1,996 pounds for April, 19 pounds above April 2018. This is the highest production per cow for the month of April since the 23 State series began in 2003.

The number of milk cows on farms in the 23 major States was 8.71 million head, 55,000 head less than April 2018, and 1,000 head less than March 2019.

Milk Cows and Production, Selected States, April 2018 and 2019

State	Milk cows ¹		Rate per cow ²		Production ²		Production % chg 2019/18
	2018	2019	2018	2019	2018	2019	
	(1,000 head)		(pounds)		(million pounds)	(percent)	
CA	1,735	1,728	1,990	2,050	3,453	3,542	+2.6
ID	607	617	2,035	2,045	1,235	1,262	+2.2
MI	423	425	2,210	2,235	935	950	+1.6
MN	454	448	1,805	1,825	819	818	-0.1
NM	334	321	2,165	2,165	723	695	-3.9
NY	624	627	1,980	2,010	1,236	1,260	+1.9
PA	524	495	1,775	1,745	930	864	-7.1
TX	533	562	2,060	2,085	1,098	1,172	+6.7
WI	1,274	1,270	1,985	2,000	2,529	2,540	+0.4
23-state total	8,760	8,705	1,977	1,996	17,318	17,375	+0.3

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



Honey

Honey production from producers with five or more colonies in Wisconsin totaled 2.30 million pounds in 2018. This was a 23 percent decrease from the 2.97 million pounds produced in 2017. The number of honey producing colonies in the state decreased from 53,000 colonies in 2017 to 51,000 colonies in 2018. This number does not include producers with fewer than five colonies or producers who did not harvest honey. Yield per colony in Wisconsin averaged 45 pounds, down from 56 pounds per colony in 2017. Wisconsin moved to sixteenth place nationally in honey production, down from fifteenth place last year. Colonies which produced honey in more than one state were counted in state where the honey was produced. Therefore, at the United States level yield per colony may be understated, but total production would not be impacted.

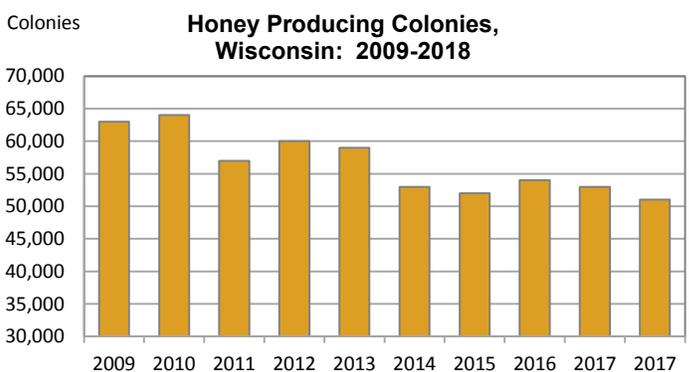
On December 15, 2018, producer honey stocks in Wisconsin, excluding stocks under government loan programs, were 711 thousand pounds, a 4 percent increase from 2017. The state's 2018 honey crop was valued at \$6.33 million, down 24 percent from the previous year's \$8.37 million. The average price per pound for all marketing channels in Wisconsin was \$2.76, down 6 cents from 2017.

United States honey production in 2018 from producers with five or more colonies totaled 152 million pounds, up 2 percent from 2017. There were 2.80 million colonies producing honey in 2018, up 4 percent from 2017. Yield per colony averaged 54.4 pounds, down 2 percent from the 55.5 pounds in 2017. Colonies which produced honey in more than one State were counted in each State where the honey was produced. Therefore, at the United States level yield per colony may be understated, but total production would not be impacted. Colonies

were not included if honey was not harvested. Producer honey stocks were 29.1 million pounds on December 15, 2018, down 5 percent from a year earlier. Stocks held by producers exclude those held under the commodity loan program.

United States honey prices decreased 2 percent during 2018 to 216.6 cents per pound, compared to 219.9 cents per pound in 2017. United States and State level prices reflect the portions of honey sold through cooperatives, private, and retail channels. Prices for each color class are derived by weighting the quantities sold for each marketing channel. Prices for the 2017 crop reflect honey sold in 2017 and 2018. Some 2017 crop honey was sold in 2018, which caused some revisions to the 2017 crop prices.

For operations with five or more colonies, the average prices paid in 2018 for honey bee queens, packages, and nucs were \$18, \$86, and \$110 respectively. For operations with five or more colonies, pollination income for 2018 was \$302 million, up 8 percent from 2017. Other income from honey bees for operations with five or more colonies in 2018 was \$94.6 million, up 17 percent from 2017.



Honey Producing Colonies, Yield, Production, Stocks, Price, and Value – Selected States and United States: 2017 and 2018¹

State	Producing Colonies ²		Yield		Production		Honey Stocks Dec 15 ³		Average Price per Pound ⁴		Value of Production ⁵	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(1,000)		(pounds)		(1,000 pounds)				(cents)		(1,000 dollars)	
California	335	335	41	41	13,735	13,735	2,198	3,022	216	206	29,668	28,294
Florida	205	215	43	49	8,815	10,535	529	737	237	240	20,892	25,284
Georgia	99	98	32	34	3,168	3,332	190	200	300	279	9,504	9,296
Idaho	95	96	44	31	4,180	2,976	1,045	655	179	196	7,482	5,833
Iowa	35	38	58	49	2,030	1,862	1,035	1,005	226	235	4,588	4,376
Louisiana	43	45	81	83	3,483	3,735	279	261	193	190	6,722	7,097
Michigan	87	92	45	44	3,915	4,048	822	729	242	237	9,474	9,594
Minnesota	126	119	62	61	7,812	7,259	1,016	1,161	193	188	15,077	13,647
Montana	145	160	72	92	10,440	14,720	2,506	3,680	221	192	23,072	28,262
New York	57	56	56	48	3,192	2,688	766	833	303	334	9,672	8,978
North Dakota	455	530	74	72	33,670	38,160	4,377	4,579	191	188	64,310	71,741
South Dakota	255	255	57	47	14,535	11,985	6,541	5,154	207	198	30,087	23,730
Texas	120	132	66	56	7,920	7,392	2,297	1,035	217	206	17,186	15,228
Wisconsin	53	51	56	45	2,968	2,295	683	711	282	276	8,370	6,334
United States ^{5,6} ..	2,683	2,803	56	54	148,980	152,348	30,662	29,091	220	217	334,166	333,482

¹ Operations with five or more colonies that also qualify as a farm. Colonies which produced honey in more than one state were counted in each state. ² Honey producing colonies are the maximum number of colonies from which honey was harvested during the year. It is possible to harvest honey from colonies which did not survive the entire year. ³ Stocks held by producers. ⁴ Average price per pound based on expanded sales. ⁵ Value of production is equal to production multiplied by average price per pound. ⁶ Due to rounding, total colonies multiplied by total yield may not exactly equal production. ⁷ United States value of production will not equal summation of states.

Agricultural Chemical Use

The National Agricultural Statistics Service (NASS) Agricultural Chemical Use Program is the U.S. Department of Agriculture’s official source of statistics about on-farm and post-harvest fertilizer and pesticide use and pest management practices.

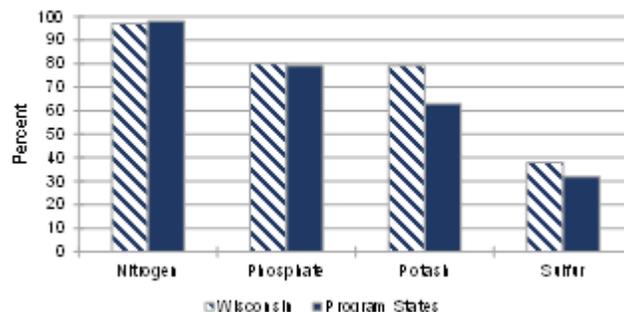
In the fall of 2018, NASS collected data for the 2018 crop year, the one-year period beginning after the 2017 harvest and ending after the 2018 harvest, about chemical use and pest management practices used on corn and soybean production. The data was collected as part of the Agricultural Resource Management Survey (ARMS) and the results are presented here.

Corn

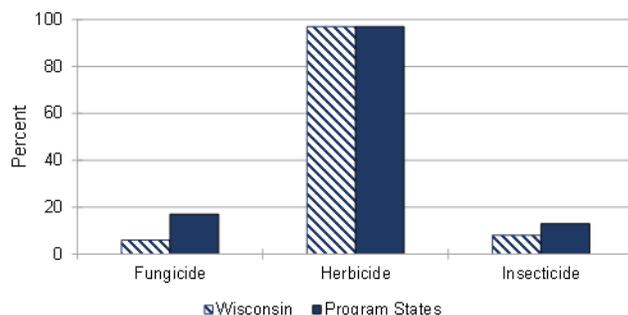
Fertilizer Use: Of the three primary macronutrients, nitrogen (N) was the most widely used on corn. Wisconsin farmers applied nitrogen to 97 percent of planted acres at an average rate of 113 pounds per acre per year. Macronutrients phosphate (P) and potash (K) were applied to the majority of acres, at an average rate of 37 and 76 pounds per acre per year, respectively. The secondary macronutrient, sulfur (S), was applied to 38 percent of acres planted to corn.

Pesticide Use: Herbicide active ingredients were applied to 97 percent of the corn acres planted in Wisconsin. Atrazine was the most widely used pesticide overall applied to 49 percent of the planted acres. S-Metolachlor was the active ingredient with the greatest total amount applied in Wisconsin. Fungicide and insecticide active ingredients were applied to 6 percent and 8 percent of corn acres planted, respectively.

Fertilizers, Corn Planted Acres Treated
Wisconsin and Program States: 2018



Pesticides, Corn Planted Acres Treated
Wisconsin and Program States: 2018



Fertilizer Use On Corn – Wisconsin and Program States: 2018

Active ingredient	Wisconsin			Program states ¹		
	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)
Nitrogen	97	113	426,200	98	149	12,007,300
Phosphate	80	37	116,600	79	69	4,510,500
Potash.....	79	76	232,200	63	87	4,525,900
Sulfur	38	20	29,900	32	18	468,400

Pesticide Use On Corn – Wisconsin and Program States: 2018

Active ingredient	Wisconsin			Program states ¹		
	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)
Fungicide:						
Total ²	6		30	17		3,775
Herbicide³:						
Acetochlor	24	1.310	1,219	33	1.433	38,757
Atrazine	49	0.642	1,223	65	1.037	55,899
Bicyclopyrone	17	0.030	19	9	0.031	226
Dicamba, sodium salt	11	0.088	38	8	0.103	660
Flumetsulam	14	0.032	18	10	0.031	267
Glyphosate iso. salt	42	0.830	1,375	34	0.993	27,691
Glyphosate pot. salt	28	0.848	942	26	1.187	25,306
Mesotrione	38	0.115	173	42	0.121	4,177
S-Metolachlor	31	1.151	1,389	29	1.198	28,259
Total	97		7,344	97		214,721
Insecticide:						
Total ²	8		21	13		2,087

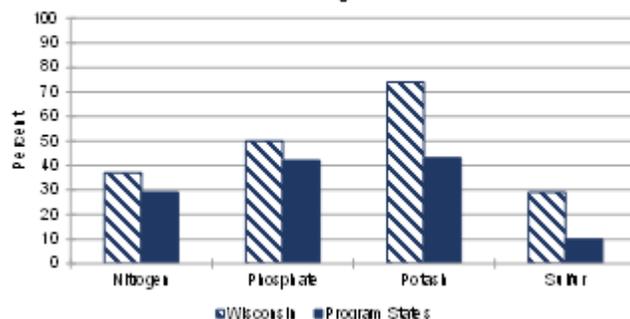
¹ The 18 program states surveyed about corn in the 2018 ARMS were Colorado, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, New York, North Carolina, North Dakota, Ohio, Pennsylvania, South Dakota, Texas, and Wisconsin. ² Total Fungicide, Herbicide, and Insecticide includes pesticides that are not listed in this table. ³ Given the large number of herbicides applied to row crops, active ingredients that were applied to less than 10 percent of planted acres in Wisconsin are not included in this table, but can be found at www.nass.usda.gov.

Soybeans

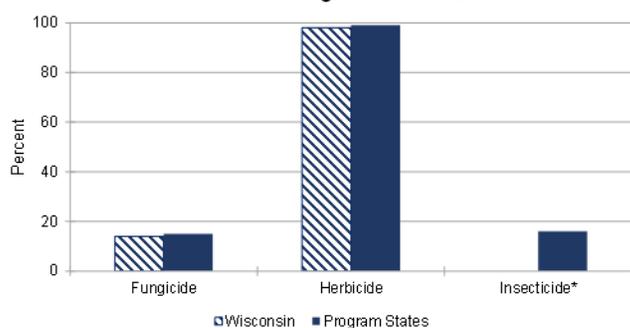
Fertilizer Use: Fertilizer refers to a soil-enriching input that contains one or more plant nutrients, primarily nitrogen (N), phosphate (P₂O₅), and potash (K₂O). Of the three primary macronutrients, potash was the most widely used on soybean acres planted in Wisconsin. Farmers applied potash to 74 percent of planted acres at an average rate of 106 pounds per acre per year. Macronutrients nitrogen and phosphate were applied at an average rate of 20 and 63 pounds per acre per year, respectively. The secondary macronutrient, sulfur, was applied to 29 percent of acres planted to soybeans.

Pesticide Use: The pesticide active ingredients used on soybeans are classified in this report as herbicides (targeting weeds), insecticides (targeting insects), and fungicides (targeting fungal disease). Herbicide active ingredients were applied to 98 percent of the soybean acres planted. Glyphosate isopropylamine was the most widely used pesticide on soybean acres, and was also the active ingredient with the greatest total amount applied. Fungicides were applied to 14 percent of soybean acres planted in Wisconsin.

Fertilizers, Percent of Soybean Planted Acres Treated
Wisconsin and Program States: 2018



Pesticides, Percent of Soybean Planted Acres Treated
Wisconsin and Program States: 2018



Fertilizer Use On Soybeans – Wisconsin and Program States: 2018

Active ingredient	Wisconsin			Program states ¹		
	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)
Nitrogen	37	20	15,900	29	17	416,400
Phosphate	50	63	70,000	42	55	1,974,300
Potash.....	74	106	171,900	43	87	3,221,400
Sulfur.....	29	19	11,700	10	13	111,500

Pesticide Use On Soybeans – Wisconsin and Program States: 2018

Active ingredient	Wisconsin			Program states ¹		
	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)	Planted acres treated (percent)	Yearly rate (lbs per acre)	Total applied (1,000 lbs)
Fungicide:						
Total ²	14		49	15		3,709
Herbicide³:						
Glyphosate iso. salt	67	1.053	1,552	47	1.202	48,256
Glyphosate pot. salt	31	1.322	905	28	1.527	36,651
Imazethapyr.....	10	0.036	8	12	0.047	464
Metribuzin	13	0.193	57	19	0.270	4,419
S-Metolachlor	18	1.416	566	18	1.283	19,439
Total ²	98		3,705	99		184,060
Insecticide:						
Total ²	(D)		(D)	16		2,304

¹The 19 program states surveyed about soybeans in the 2018 ARMS were Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, Ohio, South Dakota, Tennessee, Virginia, and Wisconsin. ² Total Fungicide, Herbicide, and Insecticide includes pesticides that are not listed in this table. ³ Given the large number of herbicides applied to row crops, active ingredients that were applied to less than 10 percent of planted acres in Wisconsin are not included in this table, but can be found at www.nass.usda.gov. (D) Withheld to avoid disclosing data for individual operations.