

Milk Production

Milk production in Wisconsin during September 2016 totaled 2.44 billion pounds, up 3 percent from the previous September. The average number of milk cows during September, at 1.28 million head, was 1,000 fewer last month and 2,000 fewer than a year ago. Monthly production per cow averaged 1,910 pounds, up 65 pounds from last September.

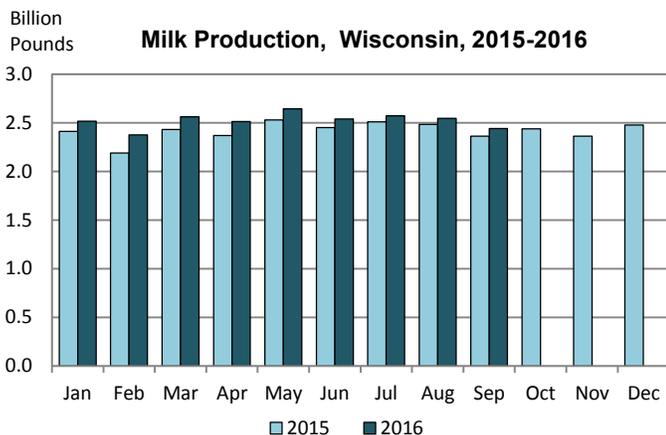
Milk production in the 23 major States during September totaled 16.0 billion pounds, up 2.3 percent from September 2015. August revised production at 16.7 billion pounds, was up 1.9 percent from August 2015. The August revision represented a decrease of 3 million pounds or less than 0.1 percent from last month's preliminary production estimate. Production per cow in the 23 major States averaged 1,842 pounds for September, 35 pounds above September 2015. This is the highest production per cow for the month of September since the 23 State series began in 2003. The number of milk cows on farms in the 23 major States was 8.67 million head, 36,000 head more than September 2015, but 2,000 head less than August 2016.

Milk production in the United States during the July - September quarter totaled 52.6 billion pounds, up 1.7 percent from the July - September quarter last year. The average number of milk cows in the United States during the quarter was 9.34 million head, 9,000 head more than the April - June quarter, and 21,000 head more than the same period last year.

September Milk Production

State	Milk cows ¹		Rate per cow ²		Production ²		Production % chnge 2016/15
	2015	2016	2015	2016	2015	2016	
	Thousand head		Pounds		Million pounds		Percent
CA	1,777	1,766	1,785	1,795	3,172	3,170	-0.1
ID	587	599	1,995	2,050	1,171	1,228	+4.9
MI	410	422	2,015	2,070	826	874	+5.8
MN	460	461	1,635	1,670	752	770	+2.4
NM	323	318	1,960	1,965	633	625	-1.3
NY	620	620	1,860	1,950	1,153	1,209	+4.9
PA	530	527	1,615	1,645	856	867	+1.3
TX	462	488	1,785	1,780	825	869	+5.3
WI	1,279	1,277	1,845	1,910	2,360	2,439	+3.3
23-state total	8,636	8,672	1,807	1,842	15,609	15,975	+2.3

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



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Inside This Issue:

- Milk Production
- Layers & Eggs
- November Crop Production
- Objective Yield Data
- Milk Prices
- Agricultural Prices

This Farm Reporter contains the results from the following surveys. Thanks for your help!

- Milk Production Report
- Layer & Egg Report
- Ag Yield Survey
- Corn and Potato Objective Yield Surveys
- Prices Received Report

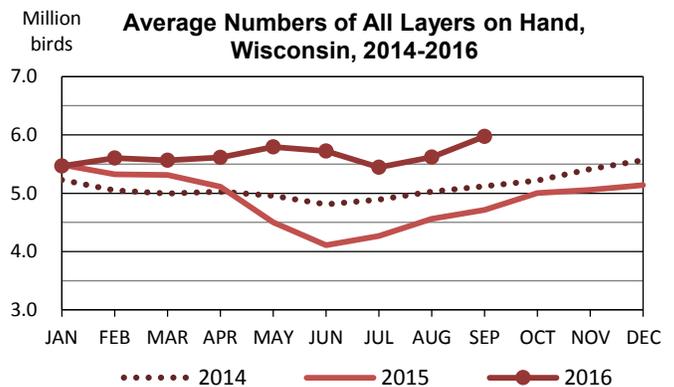
Layers & Eggs

Wisconsin egg production during September 2016 was 139 million eggs, up 5 percent from last month, and up 27 percent from last year. The average number of all layers on hand during September 2016 was 5.97 million, up 6 percent from last month, and up 27 percent from last year. This is the largest inventory on record for Wisconsin. Eggs per 100 layers for September were 2,334, down 2 percent from last month, but up slightly from last year.

Layers on Hand and Eggs Produced Wisconsin and United States, September 2015 and 2016

	Unit	Wisconsin		United States	
		2015	2016	2015	2016
Table egg layers in flocks 30,000 & above	1,000 layers	3,977	5,286	269,396	293,852
All layers on hand	1,000 layers	4,714	5,973	336,610	360,527
Eggs per 100 layers	eggs	2,329	2,334	2,247	2,302
Total egg production	million eggs	109.8	139.4	7,562.3	8,299.8
Table egg production	million eggs	(D)	(D)	6,465.1	7,206.5

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



Crop Production

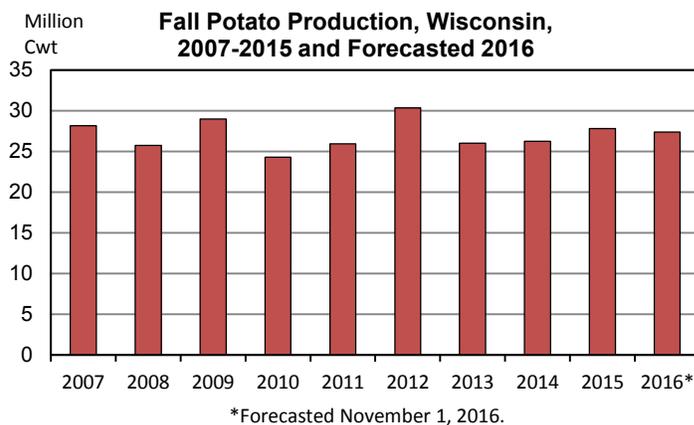
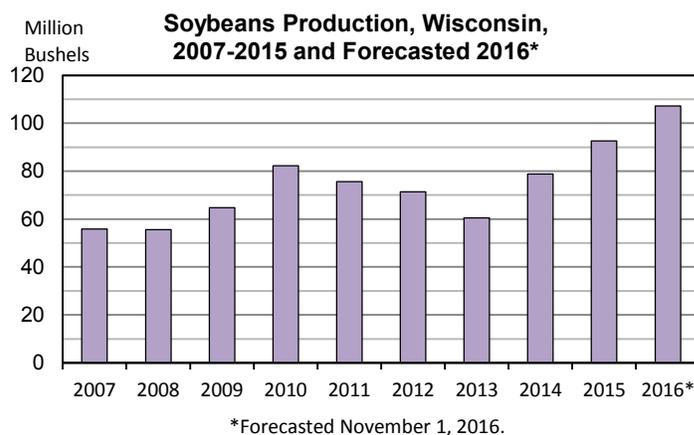
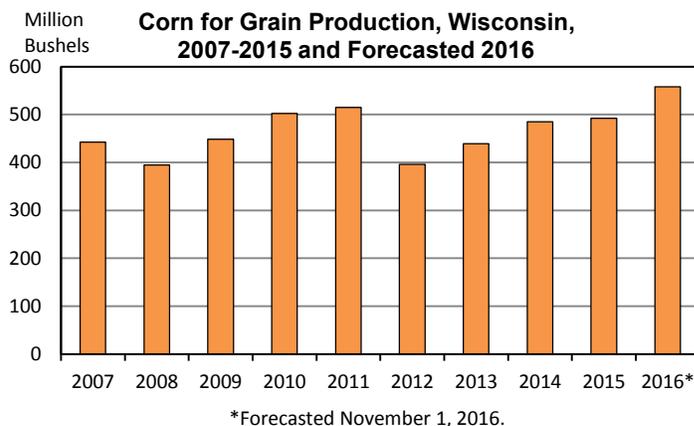
Wisconsin **corn** production is forecast at 558 million bushels, up 2 percent from the October forecast and up 13 percent from the 2015 production. If realized, this will be a new record high corn production, above the old record of 515 million bushels set in 2011. Based on conditions as of November 1, yield is expected to average 180.0 bushels per acre, an increase of 16.0 bushels per acre from last year and up 3.0 bushels from the October forecast. If realized, this will be a new record high yield topping the record set last year of 164.0 bushels per acre. Acres harvested for grain are unchanged from October at 3.10 million acres.

Soybean production is forecast at 107 million bushels, breaking the old record of 92.6 million bushels set last year. The November 1 forecast yield is 55.0 bushels per acre, 5.5 bushels above 2015, and up 3.0 from the October forecast. If realized, the yield will be 4.5 bushels per acre above the 2010 record yield. Acres harvested is unchanged from October, at 1.95 million acres.

Wisconsin fall **potato** production is forecast at 27.4 million hundredweight (cwt), down 1 percent from 2015. The potato yield is forecast at 435.0 cwt per acre, down 10.0 cwt from 2015. Wisconsin potato growers expect to harvest 63,000 acres, 500 acres more than in 2015.

Corn production is forecast at 15.2 billion bushels, up 1 percent from the October forecast and up 12 percent from last year. Based on conditions as of November 1, yields are expected to average 175.3 bushels per acre, up 1.9 bushels from the October forecast and up 6.9 bushels from 2015. If realized, this will be the highest yield and production on record for the United States. Area harvested for grain is forecast at 86.8 million acres, unchanged from the October forecast but up 8 percent from 2015.

Soybean production is forecast at a record 4.36 billion bushels, up 2 percent from October and up 11 percent from last year. Based on November 1 conditions, yields are expected to average a record 52.5 bushels per acre, up 1.1 bushels from last month and up 4.5 bushels from last year. Area for harvest in the United States is forecast at a record 83.0 million acres, unchanged from last month.



Area Harvested, Yield, and Production Summary, Wisconsin and United States: 2015 and Forecasted November 1, 2016

State		Area harvested		Yield per acre		Production	
		2015	2016	2015	2016	2015	2016
		1,000 acres		Units		1,000 units	
WISCONSIN							
Corn	(bu)	3,000	3,100	164.0	180.0	492,000	558,000
Potatoes	(cwt)	62.5	63.0	445.0	435.0	27,813	27,405
Soybeans	(bu)	1,870	1,950	49.5	55.0	92,565	107,250
UNITED STATES							
Corn	(bu)	80,749	86,836	168.4	175.3	13,601,198	15,225,586
Potatoes	(cwt)	1,054.4	1,007.1	418	436	441,205	439,561
Soybeans	(bu)	81,732	83,047	48.0	52.5	3,926,339	4,361,023

All crop forecasts in this report are based on November 1 conditions and do not reflect weather effects since that time. The next production estimates will be published in the Crop Production – 2016 Summary report which will be released on January 12, 2017.

U.S. Corn Supply and Use¹

CORN	2014-2015	2015-2016 (Est.)	2016-2017 ² Projections November
<i>Million bushels</i>			
Beginning Stocks	1,232	1,731	1,738
Production	14,216	13,601	15,226
Imports	32	67	50
Supply, total	15,479	15,400	17,013
Feed & Residual	5,280	5,130	5,650
Food, Seed & Industrial	6,601	6,635	6,735
Domestic, total	11,881	11,764	12,385
Exports	1,867	1,898	2,225
Use, total	13,748	13,662	14,610
Ending Stocks, total	1,731	1,738	2,403
Avg. farm price (\$/bu)	3.70	3.61	3.00 - 3.60

1. Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm> 2. Preliminary

2016 Corn for Grain Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in 10 corn-producing States during 2016. Randomly selected plots in corn for grain fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual field counts from this survey.

Corn for Grain: Plant Population per Acre, Selected States, 2012-2016

State	2012	2013	2014	2015	2016 ¹
<i>Number</i>					
IA	30,100	30,000	30,800	31,450	31,050
MN	30,000	30,950	31,150	30,750	30,550
WI	28,600	29,150	30,050	29,450	29,800

1. Estimated November 1, 2016.

Corn for Grain: Number of Ears per Acre, Selected States, 2012-2016

State	2012	2013	2014	2015	2016 ¹
<i>Number</i>					
IA	28,150	29,550	30,150	30,850	30,500
MN	29,400	30,850	30,950	30,450	30,250
WI	27,150	28,850	29,700	28,600	28,750

1. Estimated November 1, 2016.

Corn for Grain: Percentage Distribution by Plant Population Per Acre, Wisconsin, 2012-2016

Year	Less than 20,000	20,000 - 22,500	22,501 - 25,000	25,001 - 27,500	27,501 - 30,000	More than 30,000
<i>Percent</i>						
2012	4.4	6.6	7.7	15.4	25.3	40.6
2013	3.4	3.4	8.0	17.2	14.9	53.1
2014	2.1	4.2	4.2	9.4	27.1	53.0
2015	2.4	2.4	7.3	14.6	23.2	50.1
2016	2.4	4.9	3.7	11.0	18.3	59.7

Corn for Grain: Percentage Distribution by Measured Row Width and Average Row Width, as of November 1, 2016, Selected States

State	No. of Samples	Row Width (inches)						Average Row Width
		20.5 or Less	20.6 - 30.5	30.6 - 34.5	34.6 - 36.5	36.6 - 38.5	38.6 & Greater	
<i>Percent</i>								
IA	225	2.2	76.9	19.1	0.9	0.9	—	30.0
MN	132	2.3	78.0	17.4	0.8	1.5	—	28.8
WI	82	1.2	72.0	22.0	1.2	1.2	2.4	30.5

— Represents zero.

U.S. Soybean Supply and Use¹

SOYBEANS	2014-2015	2015-2016 (Est.)	2016-2017 ² Projections November
<i>Million bushels</i>			
Beginning Stocks	92	191	197
Production	3,927	3,926	4,361
Imports	33	24	30
Supply, total	4,052	4,140	4,588
Crushings	1,873	1,886	1,930
Exports	1,842	1,936	2,050
Seed	96	97	95
Residual	50	24	32
Use, total	3,862	3,943	4,108
Ending stocks	191	197	480
Avg. farm price (\$/bu)	10.10	8.95	8.45 - 9.95

1. Source: USDA OCE World Agricultural Supply and Demand Estimates Report <http://www.usda.gov/oce/commodity/wasde/index.htm> 2. Preliminary

2016 Potato Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in seven fall potato-producing States during 2016. Sample plots were located in potato fields randomly selected using a scientifically designed sampling procedure. Field workers recorded counts and measurements within the field and then harvested six hills per sample. Potatoes were sent to laboratories for sizing and grading according to accepted United States fresh grading standards. Data in these tables are rounded actual field counts from this survey.

Fall Potato Number of Hills by Type, Wisconsin, 2012-2016

Type	2012	2013	2014	2015	2016
<i>Number</i>					
Reds					
Samples	8	13	6	6	10
Avg no. of hills per acre	15,843	16,048	14,455	16,044	16,554
Whites					
Samples	43	43	41	42	40
Avg no. of hills per acre	15,000	14,327	14,320	15,375	15,482
Yellows					
Samples	(D)	3	5	(D)	(D)
Avg no. of hills per acre	(D)	17,259	15,272	(D)	(D)
Russets					
Samples	66	49	65	60	47
Avg no. of hills per acre	12,884	12,545	12,233	13,302	13,489

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

Fall Potato Grading Categories by Type, Gross Yield Basis, Wisconsin, 2015 and 2016

Type	No. 1 2 inch minimum ¹		No. 2 or processing usable 1.5 inch minimum ¹		Cull ²	
	2015	2016	2015	2016	2015	2016
<i>Percent</i>						
Round white potatoes	77.3	84.7	22.6	15.2	0.1	0.1
All long potatoes ³	82.2	81.6	17.6	18.4	0.2	—

— Represents zero. 1. Potatoes which meet the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service. 2. Potatoes not meeting the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service. 3. Includes Russet, Shepody, Prospect, and Defender varieties unless otherwise indicated.

September Milk Prices

Wisconsin farmers received an average price of \$17.90 per hundredweight (cwt.) for their milk in September 2016. This was 10 cents lower than last month and the same as last September's price.

The U.S. milk price for September was \$17.30 per cwt, 60 cents lower than Wisconsin's price but 20 cents higher than the August U.S. price. Seventeen of the 23 major milk producing states had an increase in price from August, five states had a decrease, and one state, Oregon, had no change in price. The largest price decrease occurred in South Dakota, down 50 cents from last month, but California had the lowest price in the nation at \$15.74 per cwt.

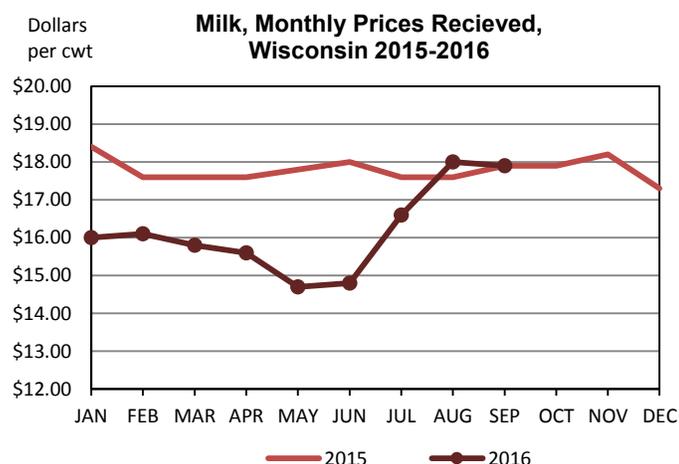
The Chicago Mercantile Exchange* (CME) 40-pound block cheese price closed at \$1.7700 per pound on October 31, while barrels were \$1.7300 per pound. The CME butter price was \$1.8975 per pound.

For the week ending October 22, 2016, the Agricultural Marketing Service* U.S. weekly 40-pound block cheese price averaged \$1.5644 per pound, and 500 pound barrels adjusted to 38 percent moisture averaged \$1.5250 per pound. The U.S. butter price was \$1.8405 per pound.

Milk Prices¹

Selected states	September 2015		August 2016		September 2016	
	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						
CA	15.72	3.68	15.96	3.67	15.74	3.72
ID	16.90	3.79	17.30	3.72	17.20	3.86
MI	17.20	3.59	15.60	3.53	16.20	3.58
MN	17.80	3.81	18.20	3.79	17.90	3.89
NM	16.60	3.45	16.50	3.48	16.80	3.60
NY	18.60	3.70	17.30	3.65	17.80	3.71
PA	18.90	3.67	17.50	3.62	17.90	3.70
TX	18.20	3.79	17.90	3.84	18.60	3.96
WI	17.90	3.69	18.00	3.62	17.90	3.73
US	17.50	3.69	17.10	3.66	17.30	3.74

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



Prices Received by Farmers

The September 2016 average price received by farmers for **corn** in Wisconsin was \$3.13 per bushel. This was up \$0.01 from the August price but \$0.45 lower than September 2015.

The September **soybean** price, at \$9.34 per bushel, was down \$0.50 from August but \$0.72 above the previous September.

The September **oat** price was \$1.37 per bushel, down \$0.10 from the August price and \$0.54 below September 2015.

All hay prices in Wisconsin averaged \$80.00 per ton in September, up \$10.00 from August but \$19.00 lower than September 2015. The **alfalfa hay** price averaged \$88.00 per ton in September, up \$9.00 from August but \$19.00 below the previous September. The **other hay** price averaged \$59.00, up \$13.00 from August but \$5.00 below September 2015.

Prices for **replacement milk cows** averaged \$1,760 as of October 1, 2016.

Prices Received by Farmers

WISCONSIN		September 2015	August 2016	September 2016
Dollars				
Corn	bu	3.58	3.12	3.13
Hay, all baled	ton	99.00	70.00	80.00
Alfalfa	ton	107.00	79.00	88.00
Other	ton	64.00	46.00	59.00
Oats	bu	1.91	1.47	1.37
Potatoes, all ¹	cwt	9.25	11.50	11.30
Fresh ²	cwt	9.50	12.10	12.00
Processing	cwt	8.55	10.90	10.80
Soybeans	bu	8.62	9.84	9.34
Milk, all	cwt	17.90	18.00	17.90
Milk cows ³	head	2,050.00	1,820.00	1,760.00
UNITED STATES		September 2015	August 2016	September 2016
Dollars				
Corn	bu	3.68	3.21	3.22
Hay, all baled	ton	142.00	131.00	129.00
Alfalfa	ton	160.00	138.00	137.00
Other	ton	114.00	116.00	114.00
Oats	bu	2.04	1.84	1.97
Potatoes, all ¹	cwt	7.58	8.93	7.81
Fresh ²	cwt	8.95	12.01	9.27
Processing	cwt	7.17	7.68	7.32
Soybeans	bu	9.05	9.93	9.43
Milk, all	cwt	17.50	17.10	17.30
Milk cows ³	head	1,980.00	1,730.00	1,690.00
Calves	cwt	241.00	158.00	142.00
Cattle, all beef	cwt	139.00	117.00	108.00
Cows ⁴	cwt	104.00	80.60	74.50
Steers & Heifers	cwt	140.00	118.00	109.00
Hogs, all	cwt	54.50	52.60	47.80
Barrows & Gilts	cwt	54.90	52.60	47.90
Sows	cwt	45.20	50.80	46.30
Eggs (market)	doz	1.80	0.367	0.312

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. 1. Average price of potatoes sold for all uses, including table stock, processing, seed, and livestock feed. 2. Fresh market prices only. Includes table stock prices. 3. Prices are for July 1, 2014, and July 1, 2015. Animals sold for dairy herd replacement only. 4. Beef cows and cull dairy cows sold for slaughter.

