### Federal Milk Market Administrator U.S. Department of Agriculture



# UPPER MIDWEST DAIRY NEWS

Victor J. Halverson, Market Administrator

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Upper Midwest Marketing Area, Federal Order No. 30

September 2018

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### CME Cheese Price Spread Widens in Last Month

The price for barrel cheddar cheese on the Chicago Mercantile Exchange (CME) on September 25 was \$1.34 per pound, with 40-pound blocks at \$1.63  $\frac{1}{2}$ , a difference of 29  $\frac{1}{2}$ ¢. The historical spread between the two cheese prices has generally been between  $3\phi$  and  $5\phi$ , but averaged nearly  $8\phi$  in 2017, and so far in 2018 has averaged more than  $11\phi$ .

The September 25 barrel price was down  $26\phi$  from a month earlier and  $33\frac{1}{4}\phi$  below a year ago. The block price was down  $3\frac{1}{2}\phi$  from both a month earlier and from last year.

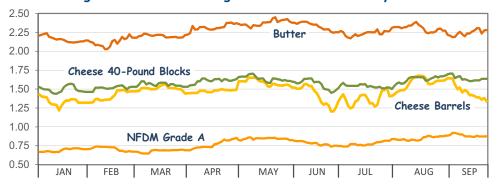
The CME butter price on September 25 was \$2.28 per pound, up  $2 \notin$  from last month, but  $13 \frac{3}{4} \notin$  below a year earlier.

The price of nonfat dry milk (NFDM) on the CME on September 25 was \$0.87½ per pound, up  $\frac{1}{2}\phi$  from last month and  $4\frac{1}{2}\phi$  above a year ago.

The August Federal order Class III price was \$14.95 per cwt., up \$0.85 from July, but \$1.62 below last year. The CME Class III futures on September 25 had the price at \$16.14 for September, \$15.89 for October, and back above \$16 for the next few months.

#### Chicago Mercantile Exchange - Selected Commodity Prices\*





<sup>\*</sup> Prices depicted are per pound for each day that trading occurred from January 1, 2018 through September 25, 2018.

### Pool Summary

- ➤ In August, producer milk totaled 2.95 billion pounds, down from last month and last year, primarily because of a larger estimated volume of milk not pooled.
- ➤ Class I utilization totaled 253 million pounds, up 8.3% seasonally from July, but 5.4% below last year. In August, Class I usage accounted for 8.6% of producer milk.
- ➤ The August Producer Price Differential (PPD) was \$0.13 per cwt.
- ➤ The Statistical Uniform Price was \$15.08 per cwt., up \$0.71 from July, but \$1.72 below August 2017.
- ➤ Market statistics for August are shown on Pages 3, 4 and 5.

# August 2018 Producer Milk by Class

		Product	
	Percent	Pounds	Price
			\$/cwt.
Class I	8.6	253,375,535	15.95
Class II	2.1	62,868,273	15.07
Class III	83.9	2,474,973,962	14.95
Class IV	5.4	158,265,943	14.63
Total		2,949,483,713	

## Members Named to National Dairy Board

The U.S. Department of Agriculture announced the appointment of 13 members to the 37-member National Dairy Promotion and Research Board. Twelve of the appointees will serve 3-year terms, November 1, 2018 through October 31, 2021. One appointee will serve the remaining portion of a vacant position ending on October 31, 2019. The list below is the members of the board effective November 1, 2018. A map of the 12 regions is shown on Page 3.

The National Dairy Promotion and Research Board administers a coordinated program of promotion, research and nutrition education. USDA's Agricultural Marketing Service monitors the activities of the board.

**REGION 1** (Alaska, Oregon, & Washington)

Warren L. Chamberlain \* Oregon 2<sup>nd</sup> Term Expires 10/31/21

**Dolores J. Werkhoven** Washington 1st Term Expires 10/31/20

#### **REGION 2** (California & Hawaii)

Carol L. Ahlem

California

2<sup>nd</sup> Term Expires 10/31/19

Christopher J. Brazil

California

2<sup>nd</sup> Term Expires 10/31/19

Stephen D. Maddox

California

1st Term Expires 10/31/19

Michael R. Oosten \*

California

1st Term Expires 10/31/19

Brad J. Scott \*

California

2<sup>nd</sup> Term Expires 10/31/21

Pauline Tjaarda \*

California

2<sup>nd</sup> Term Expires 10/31/21

Arlene J. Vander Eyk

California

1st Term Expires 10/31/19

**REGION 3** (Arizona, Colorado, Montana, Nevada, Utah, & Wyoming)

Manuel C. Cabellero

Arizona

2<sup>nd</sup> Term Expires 10/31/19

James E. Webb

Colorado

2<sup>nd</sup> Term Expires 10/31/20

**REGION 4** (Arkansas, Kansas, New Mexico, Oklahoma, & Texas)

William R. Anglin

Arkansas

2<sup>nd</sup> Term Expires 10/31/20

David W. Jackson \*

Texas

1st Term Expires 10/31/21

Orville D. Miller

Kansas

1st Term Expires 10/31/20

Eddie S. Schaap

New Mexico

2<sup>nd</sup> Term Expires 10/31/19

**REGION 5** (Minnesota, North Dakota,

& South Dakota)

Kathleen A. Skiba

Minnesota

2<sup>nd</sup> Term Expires 10/31/20

Deb A. Vander Kooi \*

Minnesota

2<sup>nd</sup> Term Expires 10/31/21

**REGION 6** (Wisconsin)

**Stacy Eberle** 

Wisconsin

1st Term Expires 10/31/20

Evan J. Hillan \*

Wisconsin

1st Term Expires 10/31/21

Becky L. Levzow

Wisconsin

1st Term Expires 10/31/20

Randy G. Roecker \*

Wisconsin

1st Term Expires 10/31/21

Connie M. Seefeldt

Wisconsin

1st Term Expires 10/31/19

**REGION 7** (Illinois, Iowa, Missouri, &

Nebraska)

Doug J. Carroll \*

Iowa

1st Term Expires 10/31/21

Alex D. Peterson

Missouri

1st Term Expires 10/31/20

**REGION 8** (Idaho)

John S. Ballard

Idaho

2<sup>nd</sup> Term Expires 10/31/20

Kim Korn \*

Idaho

2<sup>nd</sup> Term Expires 10/31/21

**REGION 9** (Indiana, Michigan, Ohio, &

West Virginia)

Cynthia K. Adam \*

Indiana

1st Term Expires 10/31/21

Cheryl L. Chapin

Michigan

2<sup>nd</sup> Term Expires 10/31/19

Gregory A. Gibson

West Virginia

1st Term Expires 10/31/20

**REGION 10** (Alabama, District of

Columbia, Florida, Georgia,

Kentucky, Louisiana, Mississippi,

North Carolina, Puerto Rico, South

Carolina, Tennessee, & Virginia)

Bobby L. Combs

Virginia

1st Term Expires 10/31/19

John M. Larson

Florida

1st Term Expires 10/31/20

#### **REGION 11** (Delaware, Maryland,

New Jersey, & Pennsylvania)

#### Jennifer L. Heltzel

Pennsylvania 1st Term Expires 10/31/19

#### David T. Pyle \*

Maryland

1st Term Expires 10/31/21

#### **REGION 12** (Connecticut, Maine,

Massachusetts, New Hampshire, New York, Rhode Island, & Vermont)

#### Patricia J. Bikowsky \*

New York

1st Term Expires 10/31/21

#### Bret J. Bossard

New York

1<sup>st</sup> Term Expires 10/31/19

#### Melissa C. Dziurgot

Connecticut

1st Term Expires 10/31/20

#### **Importers**

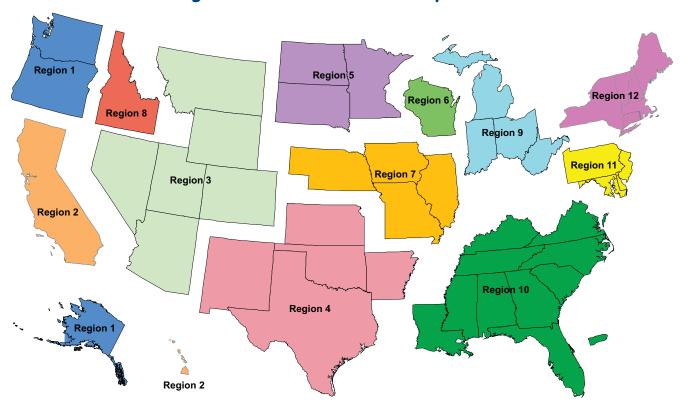
#### Ralph B. Hofman

New Jersey

1st Term Expires 10/31/20

\* Recently Appointed.

### Regions of the National Dairy Board



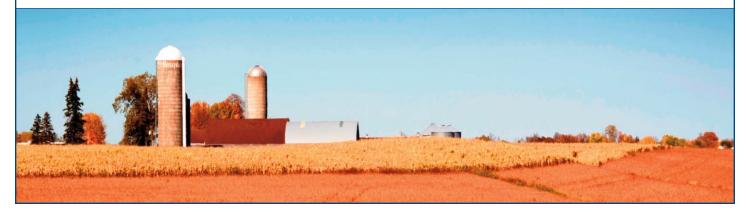
### Upper Midwest Pool Statistics - August 2018

Market Class I Differential Rate	Pool Plants	Received at Pool Plants	Diverted to Pool and Nonpool Plants	Total	Location Adjustment to Producers		Differential andlers
Cwt.	Number	Pounds	Pounds	Pounds	Value	Pounds	Value
\$1.80	4	70,575,853	5,354,599	75,930,452	\$ 0	66,394,221	\$1,195,096
\$1.75	29	100,429,033	1,394,576,678	1,495,005,711	747,503	62,103,616	1,086,813
\$1.70	26	205,126,727	1,080,210,668	1,285,337,395	1,285,338	113,675,205	1,932,479
\$1.65	3	12,618,391	80,591,764	93,210,155	139,815	11,202,493	184,841
Total	62	388,750,004	2,560,733,709	2,949,483,713	\$2,172,656	253,375,535	\$4,399,229

## Computation of Producer Price Differential - August 2018

		Utilization Percentage	Product Pounds	Component Pounds	Rate	Value
Class I	Differential Value					\$ 4,399,228.89
	Product	8.6%	253,375,535			
	Skim Milk			249,004,906	\$ 5.4600	13,595,667.87
	Butterfat			4,370,629	2.5363	11,085,226.32
Class II	Product	2.1%	62,868,273			
	Nonfat Solids			5,160,238	0.6844	3,531,666.87
	Butterfat			6,688,275	2.6079	17,442,352.39
Class III	Product	83.9%	2,474,973,962			
	Protein			75,329,348	1.6245	122,372,525.90
	Other Solids			143,489,396	0.1741	24,981,503.85
	Butterfat			88,787,430	2.6009	230,927,226.68
Class IV	Product	5.4%	158,265,943			
	Nonfat Solids			13,462,832	0.6369	8,574,477.73
	Butterfat			11,622,549	2.6009	30,229,087.67
SCC Adjust	tment (Class II, III, and IV)					3,296,482.18
Total Prod	ucer Milk *		2,949,483,713			\$ 470,435,446.35
Add:	Overage Inventory Reclassified Other Source Milk §.60(I Other Source Milk §.60(i	,	7,287			31,276.69 40,749.88 0.00 233.19
Subtract:	Transportation Credit Assembly Credit Credit for Reconstituted Producer Milk Protein Producer Milk Other Soli Producer Milk Butterfat Producer Milk SCC Adju	FMP ds	.,			8,818.42 200,678.96 0.00 145,603,985.39 29,705,404.24 289,919,417.80 3,584,770.28
Total Milk a	and Value		2,949,491,000			\$ 1,484,631.02
Add:	Location Adjustment P One-Half Unobligated Ba			t Milk		2,172,495.31 1,419,286.18
Total Value					0.172111	\$ 5,076,412.51
Subtract:	Producer Settlement Fur	nd Reserve			0.042111	1,242,074.21
Produce	r Price Differential *	*			\$0.13	\$ 3,834,338.30

- \* An estimated 600 million pounds of milk was not pooled.
- \*\* Producer Price Differential is dollars per cwt. at the Base Zone of Cook County, Illinois.



### Utilization and Classification of Milk

	Augus	t 2018	July 2018	August 2017
	Product Pounds	Butterfat Pounds	Product Pounds	Product Pounds
Class I Utilization:				
Packaged Disposition				
Milk	48,364,118	1,589,978	45,882,181	48,565,678
Flavored Milk	2,768,535	91,907	2,612,364	2,649,781
Reduced Fat Milk	94,401,738	1,821,339	91,386,459	100,387,806
Lowfat Milk	45,454,762	435,636	41,897,105	47,935,807
Fat Free Milk Flavored Reduced and Fat Free Milk	34,541,415	31,700	32,851,152	39,187,575
	23,866,100	223,263	16,660,780	22,716,816
Buttermilk	2,369,926	23,588	2,207,712	2,354,404
Total Packaged Disposition	251,766,594	4,217,411	233,497,753	263,797,867
Total Ending Inventory	23,196,077	359,058	20,240,352	21,218,283
Bulk to Nonpool Plants	2,661,596	72,718	1,949,148	1,926,376
Shrinkage	825,528	109,609	1,404,177	994,302
Total Class I Utilization	278,449,795	4,758,796	257,091,430	287,936,828
Other Order Plants	(4,219,071)	(73,607)	(2,843,878)	(2,157,630)
Beginning Inventory Reused Products	(20,433,662)	(303,096)	(19,976,889)	(17,300,318)
Other Source Milk	0 (436,707)	0 (6,600)	0 (347,378)	0 (594,274)
Overage	(430,707)	(0,000)	(347,376)	(394,274)
Interhandler Adjustment	15,180	(4,864)	(27,163)	7,888
Class I Producer Milk				
Class i Producer Wilk	253,375,535	4,370,629	233,896,122	267,892,494
Class II Utilization:				
Total Class II Utilization	71,390,144	6,790,454	57,634,322	62,242,962
Other Order Plants	<del></del>			<b></b>
Beginning Inventory	(2,725,746)	(34,244)	(1,256,070)	(1,496,146)
Reused Products	(5,730,850)	(3,455)	(9,106,845)	(6,082,164)
Other Source Milk	(65,275)	(64,480)	(49,383)	
Overage	<del></del>	<del></del>	<del></del>	0
Class II Producer Milk	62,868,273	6,688,275	47,222,024	54,664,652
Class III Utilization:				
Total Class III Utilization	2,481,872,722	88,945,296	2,867,070,529	2,887,648,283
Other Order Plants	(577,453)	(1,564)	(2,153,607)	(5,173,199)
Beginning Inventory Reused Products	(2,319,947)	(41,594)	(3,601,568)	(8,004,646)
	(2.054.664)	(440,440)	(2 702 265)	(4.466.440)
Other Source Milk Overage	(3,854,664) (146,696)	(112,149) (2,559)	(2,793,265) (262,589)	(4,466,449) (70,201)
Class III Producer Milk	2,474,973,962	88,787,430	2,858,259,500	2,869,933,788
	2,414,313,302	00,707,430	2,030,233,300	2,003,333,700
Class IV Utilization:				
Total Class IV Utilization	259,692,534	15,754,932	216,518,869	159,313,080
Other Order Plants	(6,531,179)	(272,902)	(5,036,665)	(21,795,784)
Beginning Inventory	(12,256,474)	(829,745)	(11,200,282)	(10,567,743)
Reused Products	(00.074.005)	(2,000,544)	(07 000 400)	(00 527 004)
Other Source Milk Overage	(82,371,685) (267,253)	(3,029,511) (225)	(87,238,466) (6,855)	(99,537,084) (57,138)
Class IV Producer Milk	158,265,943	11,622,549	113,036,601	27,355,331
Total Producer Milk All Classes	2,949,483,713	111,468,883	3,252,414,247	3,219,846,265
Restricted Information	2,070,700,710	111,400,000	0,202,717,271	0,210,040,200

# **Commodity Prices**

	Weighted Monthly Average Prices								ed Two-We	ek Avera	ge Prices		
	Ch	neddar Chee	ese	Nonfat		Cheddar Cheese			Nonfat				
Month/Year	Blocks	Barrels	Average	Butter	Dry Milk	Dry Whey	Blocks	Barrels	Average	Butter	Dry Milk	Dry Whey	
	Dollars per Pound						Dollars per Pound						
Aug 2017	1.7297	1.5667	1.6664	2.6578	0.8733	0.4345	1.7404	1.5634	1.6698	2.6728	0.8785	0.4324	
Sep	1.6744	1.6176	1.6608	2.5298	0.8499	0.4167	1.6747	1.6291	1.6668	2.5315	0.8565	0.4211	
Oct	1.7170	1.7032	1.7254	2.3718	0.8099	0.3790	1.6801	1.6751	1.6932	2.3849	0.8274	0.3829	
Nov	1.7475	1.7450	1.7617	2.2810	0.7553	0.3587	1.7457	1.7511	1.7641	2.2636	0.7563	0.3561	
Dec	1.6085	1.6587	1.6481	2.2319	0.7237	0.3030	1.6241	1.6500	1.6513	2.2256	0.7290	0.2995	
Jan 2018	1.5296	1.4760	1.5175	2.1972	0.6966	0.2755	1.5193	1.5259	1.5391	2.2339	0.6926	0.2792	
Feb	1.5305	1.3862	1.4727	2.1112	0.7084	0.2525	1.5316	1.3794	1.4694	2.0983	0.7123	0.2516	
Mar	1.5718	1.5078	1.5542	2.1759	0.6963	0.2531	1.5628	1.5024	1.5468	2.1741	0.6964	0.2467	
Apr	1.5997	1.5185	1.5737	2.2452	0.7134	0.2592	1.5890	1.5284	1.5730	2.2175	0.7004	0.2575	
May	1.6624	1.5790	1.6363	2.3382	0.7937	0.2711	1.6702	1.5878	1.6438	2.3246	0.7993	0.2712	
Jun	1.6470	1.5549	1.6150	2.3756	0.8150	0.3086	1.6500	1.5859	1.6324	2.3714	0.8249	0.3041	
Jul	1.5756	1.3796	1.4868	2.2596	0.7824	0.3372	1.5830	1.3736	1.4849	2.2659	0.7806	0.3361	
Aug	1.5886	1.4912	1.5544	2.3192	0.8111	0.3681	1.5771	1.4766	1.5418	2.3282	0.8109	0.3709	
Sep							1.6816	1.6398	1.6753	2.2684	0.8536	0.4075	

		Chicago N	<i>l</i> lercantile	Exchange		USDA Dairy Market News					
	Butter	Chedda	r Cheese	NFDM	Whey	NFDM Low/Medi	um Heat	W	hey Powder		
Month/Year	Grade AA	Blocks	Barrels	Grade A	Extra Grade	Central & East	West	Northeast	Central	West	
					Do	ollars per Pound					
Aug 2017	2.6473	1.6852	1.5993	0.8491		0.8952	0.8633	0.4075	0.3970	0.4040	
Sep	2.4370	1.6370	1.5691	0.8320		0.8775	0.8531	0.3904	0.3721	0.3873	
Oct	2.3293	1.7305	1.6970	0.7761		0.8355	0.8052	0.3607	0.3355	0.3543	
Nov	2.2244	1.6590	1.6656	0.7234		0.7555	0.7452	0.3417	0.3095	0.3295	
Dec	2.2078	1.4900	1.5426	0.6759		0.7161	0.7006	0.3206	0.2796	0.2794	
Jan 2018	2.1587	1.4938	1.3345	0.6926		0.6986	0.6879	0.2856	0.2375	0.2558	
Feb	2.1211	1.5157	1.4096	0.7097		0.7217	0.7158	0.2772	0.2375	0.2545	
Mar	2.2011	1.5614	1.5071	0.6808	0.2848	0.7183	0.6928	0.2701	0.2577	0.2684	
Apr	2.3145	1.6062	1.4721	0.7656	0.3038	0.7345	0.7397	0.2711	0.2673	0.2746	
May	2.3751	1.6397	1.5870	0.8441	0.3452	0.8101	0.8302	0.2969	0.2951	0.3033	
Jun	2.3270	1.5617	1.4145	0.7790	0.4030	0.8191	0.8052	0.3317	0.3231	0.3467	
Jul	2.2361	1.5364	1.3707	0.7783	0.4118	0.7996	0.7752	0.3687	0.3343	0.3675	
Aug	2.3009	1.6341	1.5835	0.8497	0.4548	0.8327	0.8428	0.3915	0.3854	0.4021	

### Market Statistics

Month/Year	Distributing Plants	Supply Plants	Coop .9(c) Handlers	Producers	Total Producer Milk	Est. Average Daily Delivery Per Producer	Class I Utilization	Butterfat Test	Protein Test	Other Solids Test	Weighted Average SCC
					Mil. Ibs.	Pounds	Percent	Percent	Percent	Percent	(000)
Jun 2017	17	48	12	9,389	2,740	9,721	9.1	3.73	3.04	5.77	199
Jul	16	47	11	10,043	3,020	9,693	8.1	3.70	3.03	5.76	208
Aug	15	50	12	10,541	3,220	9,828	8.3	3.74	3.07	5.78	205
Sep	16	49	12	10,716	3,190	9,897	8.4	3.80	3.10	5.79	196
Oct	17	50	12	8,729	2,192	8,099	12.7	3.86	3.13	5.75	182
Nov	18	49	12	8,663	2,099	8,067	13.4	4.00	3.21	5.73	168
Dec	18	49	12	8,956	2,582	9,292	10.6	4.01	3.21	5.74	164
Jan 2018	17	48	12	9,180	2,850	10,005	9.9	4.02	3.20	5.73	173
Feb	18	48	11	9,499	2,879	10,820	8.7	4.00	3.19	5.74	173
Mar	16	47	12	8,673	2,688	9,995	10.0	3.95	3.15	5.75	167
Apr	17	47	11	8,599	2,597	10,062	9.8	3.96	3.14	5.75	165
May	16	47	12	8,459	2,590	9,879	10.0	3.84	3.05	5.77	171
Jun	15	47	12	9,821	3,050	10,346	7.7	3.75	3.01	5.79	189
Jul	16	47	12		3,252		7.2	3.75	3.00	5.79	200
Aug	15	47	11		2,949		8.6	3.78	3.04	5.78	194

### Class Prices

	Class I Price Mover			Class I Pri	ce at Cook	County, IL		Class II	Price	
Month/Year	Butterfat	Skim Milk	3.50%	Butterfat	Skim Milk	3.50%	Butterfat	Nonfat Solids	Skim Milk	3.50%
	lb.	cwt.	cwt.	lb.	cwt.	cwt.	lb.	lb.	cwt.	cwt.
Aug 2017	2.9719	6.55	16.72	2.9899	8.35	18.52	3.0179	0.8056	7.25	16.57
Sep	3.0291	6.33	16.71	3.0471	8.13	18.51	2.8629	0.7811	7.03	16.80
Oct	2.8580	6.67	16.44	2.8760	8.47	18.24	2.6716	0.7600	6.84	15.95
Nov	2.6804	7.28	16.41	2.6984	9.08	18.21	2.5616	0.7311	6.58	15.32
Dec	2.5335	8.30	16.88	2.5515	10.10	18.68	2.5021	0.6600	5.94	14.49
Jan 2018	2.4875	6.98	15.44	2.5055	8.78	17.24	2.4601	0.6333	5.70	14.11
Feb	2.4976	5.71	14.25	2.5156	7.51	16.05	2.3560	0.5978	5.38	13.44
Mar	2.3334	5.38	13.36	2.3514	7.18	15.16	2.4343	0.6197	5.55	13.88
Apr	2.4251	5.82	14.10	2.4431	7.62	15.90	2.5183	0.6011	5.41	14.03
May	2.4777	5.98	14.44	2.4957	7.78	16.24	2.6309	0.6056	5.45	14.47
Jun	2.6074	6.35	15.25	2.6254	8.15	17.05	2.6762	0.7033	6.33	15.48
Jul	2.6641	6.25	15.36	2.6821	8.05	17.16	2.5357	0.7278	6.55	15.20
Aug	2.5363	5.46	14.15	2.5543	7.26	15.95	2.6079	0.6844	6.16	15.07
Sep	2.6118	5.92	14.85	2.6298	7.72	16.65		0.7144	6.43	
Oct	2.5393	7.71	16.33	2.5573	9.51	18.13		0.7567	6.81	

		Cla	ass III Price				Class I\	/ Price	
Month/Year	Butterfat	Protein	Other Solids	Skim Milk	3.50%	Butterfat	Nonfat Solids	Skim Milk	3.50%
	lb.	lb.	lb.	cwt.	cwt.	lb.	lb.	cwt.	cwt.
Aug 2017	3.0109	1.5536	0.2425	6.25	16.57	3.0109	0.6984	6.29	16.61
Sep	2.8559	1.6988	0.2241	6.59	16.36	2.8559	0.6753	6.08	15.86
Oct	2.6646	2.1084	0.1853	7.63	16.69	2.6646	0.6357	5.72	14.85
Nov	2.5546	2.3412	0.1644	8.23	16.88	2.5546	0.5816	5.23	13.99
Dec	2.4951	2.0378	0.1070	6.95	15.44	2.4951	0.5503	4.95	13.51
Jan 2018	2.4531	1.6612	0.0787	5.61	14.00	2.4531	0.5235	4.71	13.13
Feb	2.3490	1.6265	0.0550	5.37	13.40	2.3490	0.5352	4.82	12.87
Mar	2.4273	1.8066	0.0556	5.93	14.22	2.4273	0.5232	4.71	13.04
Apr	2.5113	1.7810	0.0619	5.89	14.47	2.5113	0.5401	4.86	13.48
May	2.6239	1.8609	0.0742	6.21	15.18	2.6239	0.6196	5.58	14.57
Jun	2.6692	1.7478	0.1128	6.08	15.21	2.6692	0.6407	5.77	14.91
Jul	2.5287	1.4827	0.1422	5.44	14.10	2.5287	0.6085	5.48	14.14
Aug	2.6009	1.6245	0.1741	6.06	14.95	2.6009	0.6369	5.73	14.63

### **Producer Prices**

Month/Year	Producer Price Differential	Statistical Uniform Price (at 3.50%)	Butterfat Price	Protein Price	Other Solids Price	SCC Adjustment Rate	Producer Mailbox Price (at test)
	\$ per cwt.	\$ per cwt.	\$ per lb.	\$ per lb.	\$ per lb.	\$ per cwt.	\$ per cwt.
Jul 2017	0.35	15.80	2.9456	1.2248	0.2599	0.00077	17.15
Aug	0.23	16.80	3.0109	1.5536	0.2425	0.00083	18.22
Sep	0.18	16.54	2.8559	1.6988	0.2241	0.00083	18.19
Oct	(0.03)	16.66	2.6646	2.1084	0.1853	0.00086	18.60
Nov	(0.21)	16.67	2.5546	2.3412	0.1644	0.00088	19.09
Dec	0.13	15.57	2.4951	2.0378	0.1070	0.00082	17.75
Jan 2018	0.26	14.26	2.4531	1.6612	0.0787	0.00076	16.38
Feb	0.19	13.59	2.3490	1.6265	0.0550	0.00074	15.70
Mar	0.03	14.25	2.4273	1.8066	0.0556	0.00078	16.14
Apr	0.07	14.54	2.5113	1.7810	0.0619	0.00079	16.48
May	0.07	15.25	2.6239	1.8609	0.0742	0.00082	16.76
Jun	0.19	15.40	2.6692	1.7478	0.1128	0.00081	16.33
Jul	0.27	14.37	2.5287	1.4827	0.1422	0.00074	
Aug	0.13	15.08	2.6009	1.6245	0.1741	0.00078	

### Summary of Federal Order Data - August 2018

Uniform or Statistical Uniform Price at 3.5% Butterfat

	Federal Order Number / Name	Producer Deliveries Thousand	Class I Producer Receipts	Class I Utilization Percent	Class I Price — Dollar	Producer Price Differential rs per Cwt.—	FOB Market	FOB Cook Cty. Illinois  Dollars per C	Change From Previous Year  Wt.
1	Northeast	2,268,411	706,439	31.1	\$ 17.40	\$ 1.26	\$ 16.21	\$ 14.76	\$ (2.12)
5	Appalachian	473,377	343,034	72.5	17.55	n/a	17.03	15.43	(2.50)
6	Florida	214,925	179,569	83.5	19.55	n/a	18.89	15.29	(2.54)
7	Southeast	420,897	318,396	75.6	17.95	n/a	17.53	15.53	(2.49)
30	Upper Midwest	2,949,484	253,376	8.6	15.95	0.13	15.08	15.08	(1.72)
32	Central	1,340,994	408,827	30.5	16.15	0.14	15.09	14.89	(2.04)
33	Mideast	1,699,271	549,763	32.4	16.15	0.40	15.35	15.15	(2.12)
124	Pacific Northwest	636,017	152,597	24.0	16.05	0.12	15.07	14.97	(1.98)
126	Southwest	1,286,538	361,280	28.1	17.15	1.01	15.96	14.76	(2.02)
131	Arizona	402,179	106,447	26.5	16.50	n/a	15.32	14.77	(2.08)
All Ma	arket Average or Total *	11,692,093	3,379,728	28.9					

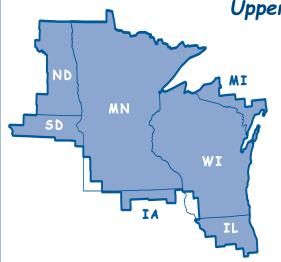
n/a = Not applicable.

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<sup>\*</sup> May not add due to rounding.