



United States
Department of
Agriculture

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Washington, D.C.

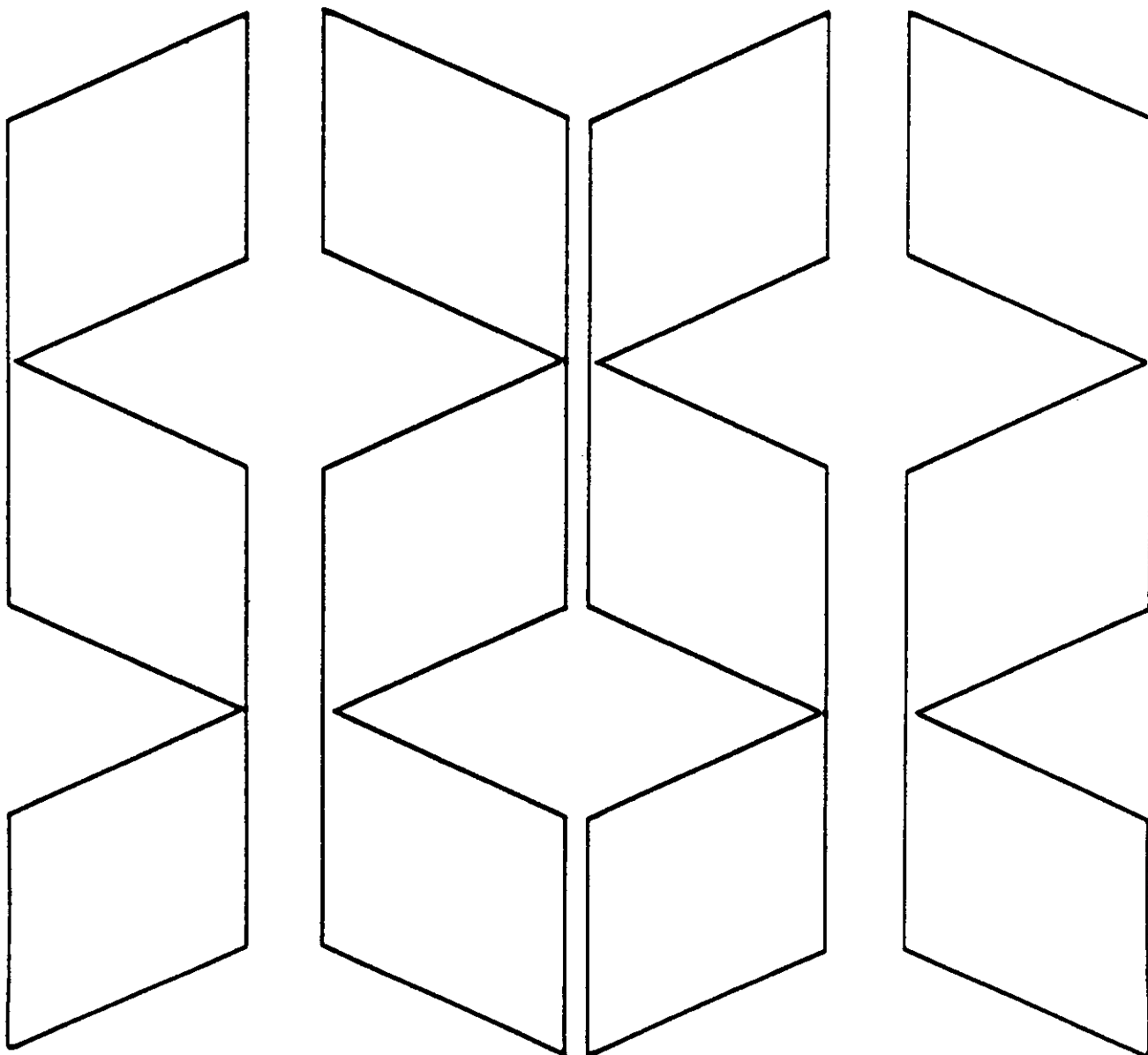


June 1991
Pr 1-4(91)

Prices Received

Minnesota-Wisconsin Manufacturing Grade Milk

1991 Summary



Minnesota-Wisconsin Manufacturing Grade Milk Price Series and Final Two-State Estimates for 1988-90

Each month, the National Agricultural Statistics Service of the U.S. Department of Agriculture publishes estimates of the average price received by farmers and the average milkfat test for milk of manufacturing grade for the preceding month for the Minnesota-Wisconsin area.

These two States consistently produce over half of the manufacturing grade milk marketed in the United States. The estimates relate only to manufacturing grade milk purchased from farmers and do not include Grade A milk diverted to manufacturing uses. Data needed for the preparation of the two-State series are collected by the offices of the Federal-State Agricultural Statisticians in Minnesota and Wisconsin. These data come from regularly scheduled monthly reports submitted by plants receiving manufacturing grade milk. After data are summarized and analyzed by the Federal-State Statisticians, they are forwarded to Washington, D. C. for final review and consolidated into the two-State average price and test.

The Minnesota-Wisconsin (M-W) estimate is the average price for all milk of manufacturing grade delivered f.o.b. plant or receiving station, before hauling costs and producer assessments under the various dairy collection programs are deducted. It includes quantity, quality, protein, and other premiums paid to producers, but excludes hauling subsidies. The price estimates for a given month are derived from two factors: (1) Estimated average price for the base month, which is the month preceding that to which the M-W price estimate relates, and (2) Estimate of change from the base month to the month to which the M-W price estimate relates.

The base-month price and test are determined using reports from about 90 plants in Wisconsin and 76 in Minnesota. These plants purchase approximately 60 percent of all manufacturing-grade milk sold in the two States. Plants report total pounds of manufacturing-grade milk received from producers, total pounds of milkfat in the milk, and total dollars paid to producers.

The estimated monthly prices and fat tests are weighted by the total quantity of manufacturing-grade milk purchased from farmers in each State. During the first four months of the year, these weights are based on milk purchases for the same month two years earlier. During the remaining eight months of the year, weights are based on purchases for the corresponding month in the preceding year.

The estimate of change from the base month to the month to which the M-W price estimate relates is based on reports from a sample of 67 plants selected in the two States (19 plants in Minnesota and 48 in Wisconsin). These plant reports are evaluated in terms of changes from the base month in wholesale prices of manufactured dairy products and historical price and fat-test relationships. Estimated changes in price and fat-test are applied to the State average for the base month to estimate price and fat-test for each State for the month to which the estimate relates.

Plants in Minnesota and Wisconsin are classified into three major product groups according to the proportion of manufacturing-grade milk purchased for cheese, for butter and its by-products, and for varied products. In both Minnesota and Wisconsin, the varied-products group consists mostly of plants which make butter, cheese, or other products in such proportions that they cannot be clearly classified in any one specific group. In Minnesota during 1990, the cheese group accounted for 68 percent of all manufacturing-grade milk in the State, butter and by-products, 20 percent, and the varied-products group, 12 percent. The proportion of manufacturing-grade milk in Wisconsin purchased in 1990 by each product group was: cheese, 88 percent; butter and by-products, 1 percent; and varied products, 11 percent.

Comparable monthly percentages of milk for each use are used as weights for combining reported price and milkfat test data by groups for the monthly manufacturing-grade average price and milkfat estimates in each State.

Data for the M-W price series are collected from the 67-plant sample, using a questionnaire mailed near the close of each month. This inquiry obtains information for the base month and for the first half of the succeeding month relating to: (1) quantity of manufacturing-grade milk purchased, (2) quantity of fat included, (3) dollars paid, (4) average price at average test, and (5) the base price for milk with 3.5 percent fat, and point differentials for varying amounts of fat. Space is provided on the inquiry for the plant manager's best estimate of the average fat test and milk price for the last half of the month to which the M-W estimate relates.

Comparison of M-W series and final estimates: The table on page 4 presents a comparison of the current Minnesota-Wisconsin manufacturing-grade milk price at average test with the final estimate combined for the two States from 1988 through 1990, together with the corresponding comparison for milkfat. The entries in the column headed "Final Two-State Estimate" are weighted averages of the final monthly prices for Minnesota and Wisconsin combined, using complete monthly marketings for each State as weights.

For the 3 years 1988 through 1990, the annual average differences between the current Minnesota-Wisconsin estimates of price per hundredweight (at test) and the final data averaged about 7.6 cents; there was no difference in the average milkfat test.

Since the Minnesota-Wisconsin price for use in Federal milk orders is reported on a 3.5 percent milkfat basis, a table is included showing the same comparisons converted to a 3.5 percent basis. The price at average milkfat test is converted to a 3.5 percent basis using the method specified in Federal milk orders.

Publication: The monthly M-W report of price per hundredweight at average milkfat test and on a 3.5 percent basis is issued about the 5th of the following month from the Wisconsin office of the National Agricultural Statistics Service, P.O. Box 9160, Madison, Wisconsin 53715. The report is available on a subscription basis from that office. The price series is also published in the Dairy Market news reports issued by the Dairy Division, Agricultural Marketing Service.

COMPARISON OF MINNESOTA-WISCONSIN MANUFACTURING GRADE MILK PRICE AND MILKFAT TEST WITH THE TWO-STATE AVERAGE OF FINAL ESTIMATES, BY MONTHS, 1988-90

YEAR AND MONTH	MINNESOTA-WISCONSIN SERIES		FINAL TWO-STATE ESTIMATES		DIFFERENCE	
	PRICE PER CWT 1/	MILKFAT TEST	PRICE PER CWT 1/	MILKFAT TEST	PRICE PER CWT 1/	MILKFAT TEST
	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT
1988						
JAN	11.35	3.78	11.36	3.79	.01	.01
FEB	11.01	3.76	11.01	3.77	.00	.01
MAR	10.81	3.74	10.83	3.74	.02	.00
APR	10.66	3.71	10.69	3.71	.03	.00
MAY	10.59	3.66	10.57	3.64	-.02	-.02
JUN	10.42	3.55	10.41	3.52	-.01	-.03
JUL	10.50	3.49	10.57	3.48	.07	-.01
AUG	10.98	3.50	11.12	3.50	.14	.00
SEP	11.74	3.66	11.97	3.68	.23	.02
OCT	12.43	3.85	12.62	3.83	.19	-.02
NOV	12.83	3.88	12.92	3.90	.09	.02
DEC	12.85	3.87	12.91	3.87	.06	.00
SIMPLE AVG	11.3475	3.7042	11.415 0	3.7025	.0675	-.0017
1989						
JAN	12.43	3.84	12.42	3.82	-.01	-.02
FEB	11.73	3.80	11.72	3.79	-.01	-.01
MAR	11.44	3.79	11.50	3.80	.06	.01
APR	11.53	3.78	11.47	3.76	-.06	-.02
MAY	11.48	3.73	11.46	3.70	-.02	-.03
JUN	11.50	3.61	11.57	3.62	.07	.01
JUL	11.82	3.54	11.90	3.52	.08	-.02
AUG	12.42	3.53	12.53	3.53	.11	.00
SEP	13.38	3.69	13.55	3.68	.17	-.01
OCT	14.32	3.81	14.52	3.80	.20	-.01
NOV	15.20	3.85	15.27	3.85	.07	.00
DEC	15.41	3.83	15.50	3.85	.09	.02
SIMPLE AVG	12.7217	3.7333	12.7842	3.7267	.0625	-.0066
1990						
JAN	14.33	3.79	14.40	3.79	.07	.00
FEB	12.56	3.76	12.75	3.76	.19	.00
MAR	12.35	3.75	12.49	3.76	.14	.01
APR	12.61	3.73	12.75	3.72	.14	-.01
MAY	12.99	3.68	13.13	3.68	.14	.00
JUN	13.39	3.59	13.46	3.61	.07	.02
JUL	13.47	3.53	13.50	3.55	.03	.02
AUG	13.16	3.56	13.21	3.57	.05	.01
SEP	12.67	3.64	12.70	3.66	.03	.02
OCT	10.85	3.81	11.15	3.84	.30	.03
NOV	10.69	3.87	10.71	3.86	.02	-.01
DEC	10.55	3.84	10.54	3.85	-.01	.01
SIMPLE AVG	12.4683	3.7125	12.565 8	3.7208	.0975	.0083
36-MONTH SIMPLE AVG	12.1792	3.7167	12.255 0	3.7167	.0758	-.0000

1/ AVERAGE PRICE FOR MILK OF AVERAGE MILKFAT TEST.

COMPARISON OF MINNESOTA-WISCONSIN MANUFACTURING GRADE MILK PRICE PER CWT,
WITH FINAL TWO-STATE ESTIMATED PRICE, FOR MILK OF 3.5 PERCENT MILKFAT CONTENT,
BY MONTHS, 1988-90 1/

YEAR AND MONTH	MINNESOTA-WISCONSIN SERIES	FINAL TWO-STATE ESTIMATE	DIFFERENCE
DOLLARS			
1988			
JAN	10.91	10.90	-.01
FEB	10.60	10.59	-.01
MAR	10.43	10.45	+.02
APR	10.33	10.36	+.03
MAY	10.34	10.35	+.01
JUN	10.34	10.38	+.04
JUL	10.52	10.60	+.08
AUG	10.98	11.12	+.14
SEP	11.48	11.68	+.20
OCT	11.88	12.10	+.22
NOV	12.23	12.29	+.06
DEC	12.27	12.33	+.06
SIMPLE AVG	11.0258	11.0958	+.0700
1989			
JAN	11.90	11.92	+.02
FEB	11.26	11.26	+.00
MAR	10.98	11.03	+.05
APR	11.09	11.06	-.03
MAY	11.12	11.15	+.03
JUN	11.33	11.38	+.05
JUL	11.76	11.87	+.11
AUG	12.37	12.48	+.11
SEP	13.10	13.28	+.18
OCT	13.87	14.09	+.22
NOV	14.69	14.76	+.07
DEC	14.93	15.00	+.07
SIMPLE AVG	12.3667	12.4400	+.0733
1990			
JAN	13.94	14.01	+.07
FEB	12.22	12.41	+.19
MAR	12.02	12.15	+.13
APR	12.32	12.47	+.15
MAY	12.78	12.92	+.14
JUN	13.28	13.33	+.05
JUL	13.43	13.44	+.01
AUG	13.09	13.13	+.04
SEP	12.50	12.51	+.01
OCT	10.48	10.75	+.27
NOV	10.25	10.28	+.03
DEC	10.19	10.18	-.01
SIMPLE AVG	12.2083	12.2983	+.0900
36-MONTH SIMPLE AVG	11.8669	11.9447	+.0778

1/ PRICES CONVERTED TO 3.5 PERCENT MILKFAT TEST USING THE MILKFAT DIFFERENTIAL SPECIFIED IN FEDERAL ORDERS.

MANUFACTURING GRADE MILK: WEIGHTS USED TO CALCULATE
THE MINNESOTA-WISCONSIN MILK PRICE SERIES, BY MONTHS, 1990-92 1/

MONTH	1990		1991		1992	
	MINN	WIS	MINN	WIS	MINN	WIS
	PERCENT					
JAN	38.7	61.3	40.4	59.6	41.6	58.4
FEB	39.0	61.0	40.8	59.2	41.7	58.3
MAR	38.6	61.4	40.6	59.4	41.5	58.5
APR	38.0	62.0	39.7	60.3	40.7	59.3
MAY	39.2	60.8	39.9	60.1		
JUN	39.1	60.9	38.7	61.3		
JUL	38.3	61.7	37.6	62.4		
AUG	37.6	62.4	37.0	63.0		
SEP	38.1	61.9	37.1	62.9		
OCT	39.0	61.0	38.3	61.7		
NOV	40.3	59.7	40.1	59.9		
DEC	40.8	59.2	41.1	58.9		

1/ WEIGHTS SHOWN FOR JAN THROUGH APR ARE BASED UPON PURCHASES OF MANUFACTURING GRADE MILK TWO YEARS EARLIER WHILE WEIGHTS FOR MAY THROUGH DEC ARE BASED UPON PURCHASES FROM ONE YEAR EARLIER. "FINAL TWO-STATE" ESTIMATES ARE WEIGHTED BY COMPLETE MONTHLY MARKETINGS FOR THE RESPECTIVE MONTH.

The next Minnesota-Wisconsin Manufacturing Grade Milk Price Series will be released in June 1992.

Subscription Information: To subscribe to NASS reports or to order single copies, call toll free, 1-800-999-6779 (weekdays 8:30-5:00 ET). You may write: ERS/NASS, P.O. Box 1608, Rockville, MD. 20849-1608.



