

MILK PRODUCTION

M A Y 1970

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April milk production 1 percent above a year earlier

U. S. milk production in April is estimated at 10,330 million pounds, 1 percent more than a year earlier. Daily average production increased 6 percent from March, compared with a 7 percent increase a year earlier. April output provided 1.68 pounds of milk per person daily for all uses, compared with 1.69 pounds a year earlier and 1.58 pounds a month earlier.

Milk production equaled or exceeded a year earlier in all North and South Atlantic States except Rhode Island and New Jersey. In the East North Central, production was up except in Illinois, while in the West North Central all States reported less production than a year earlier. In the South Central and West, production was up except Montana, Wyoming and New Mexico where it was unchanged, and Arkansas where it was down 2 percent.

Production per cow up 2 percent, milk cows down 2 percent

April milk production per cow was 826 pounds, up 2 percent from a year earlier. The March milk production per cow was 103 percent of a year earlier. April milk production per cow at record high levels in 39 States, was highest in Arizona at 1,005 pounds. Following were: California, 1,000 pounds; Washington, 980 pounds, Minnesota 965 pounds, and New Jersey 935 pounds.

Milk-feed price ratio 2 percent above a year earlier

The April milk-feed price ratio was 1.71--a record high for the month and 2 percent above a year earlier. Higher milk prices in April 1970 more than offset the increase in ration value. The April ratio was down 1 percent from March compared with a 3 percent decrease between these two months a year earlier.

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CONCENTRATE RATIONS FED TO MILK COWS 1969, page 6.

Pasture condition better than average

Pasture condition for the Nation was good to excellent in most areas on May 1. Reported condition, at 86 percent of normal, was down 1 percentage point from a year earlier but 4 points above the 1959-68 average for May 1. Due to cool, wet weather, early grass growth was slow in many States but warmer temperatures in late April enhanced the outlook. Of the 30 States where pasture condition was also reported on April 1, all showed improvement during April except 6 Western States.

Reported pasture condition in the North Atlantic States ranged from 82 to 91 percent of normal. New York's 91 equalled its highest condition for the date since 1957. States in the East North Central group ranged from 89 to 91 percent of normal on May 1, with all but Michigan above average. West North Central States varied widely. North Dakota condition at 72 was 14 points below a year earlier. It was lowest of the 48 States and the only State outside the Western Region below 80. All South Atlantic States reported condition above last month and average. In the South Central States condition ranged from 85 in Louisiana to 91 in Kentucky. Western States reported pasture condition ranging from 73 percent in California to 87 in Colorado equalling the highest May 1 condition for Colorado since 1958. The Western group had 6 States reporting condition on May 1 below 80 percent, mostly because of cool weather during April.

Milk cows and milk production by months, United States

Month	Milk cows on farms 1/			Milk per cow 2/			Milk production 2/			Change : from 1969
	1968	1969	1970	1968	1969	1970	1968	1969	1970	
	- - Thousands - -			- - Pounds - -			- Million pounds -			Percent
January	13,235	12,818	12,544	717	734	750	9,495	9,411	9,412	0
February	13,200	12,795	12,530	696	687	706	9,187	8,792	8,840	+ 0.5
March.....	13,164	12,765	12,514	775	780	803	10,197	9,960	10,053	+ 0.9
April	13,132	12,743	12,500	796	806	826	10,457	10,265	10,330	+ 0.6
Jan. - April total	---	---	---	---	---	---	39,336	38,428	38,635	+ 0.5
May	13,097	12,721		858	867		11,235	11,034		
June	13,056	12,701		826	847		10,786	10,759		
July	13,024	12,678		783	800		10,202	10,142		
August	12,990	12,653		740	764		9,612	9,673		
September	12,952	12,626		701	726		9,083	9,165		
October	12,917	12,601		706	725		9,124	9,138		
November	12,880	12,579		677	691		8,717	8,691		
December	12,847	12,559		711	730		9,139	9,170		
Annual	13,038	12,689		8,992	9,158		117,234	116,200		

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

April milk cows and milk production

State	Milk cows on farms 1/			Milk per cow 2/			Milk production 2/			Change from 1969 Percent
	1968	1969	1970	1968	1969	1970	1968	1969	1970	
	-- Thousands --			-- Pounds --			-- Million pounds --			
Maine	70	69	69	735	765	785	51	53	54	+ 2
New Hampshire	39	38	38	800	820	820	31	31	31	0
Vermont	210	206	205	795	805	815	167	166	167	+ 1
Massachusetts	70	66	66	860	895	890	60	59	59	0
Rhode Island	8.2	7.9	7.6	845	875	870	6.9	6.9	6.6	- 4
Connecticut	68	66	66	840	885	875	57	58	58	0
New York	1,047	1,028	1,023	880	895	910	921	920	931	+ 1
New Jersey	80	75	72	925	930	935	74	70	67	- 4
Pennsylvania	730	719	715	830	845	870	606	608	622	+ 2
Ohio	477	465	456	820	815	835	391	379	381	+ 1
Indiana	252	240	241	820	860	860	207	206	207	0
Illinois	333	322	319	820	840	830	273	270	265	- 2
Michigan	482	473	468	795	820	845	383	388	395	+ 2
Wisconsin	1,897	1,853	1,821	880	875	900	1,669	1,621	1,639	+ 1
Minnesota	1,064	1,021	965	950	915	965	1,011	934	931	0
Iowa	577	536	498	785	795	780	453	426	388	- 9
Missouri	383	370	360	700	705	720	268	261	259	- 1
North Dakota	160	149	142	705	690	695	113	103	99	- 4
South Dakota	205	194	182	740	730	740	152	142	135	- 5
Nebraska	216	204	195	695	715	700	150	146	136	- 7
Kansas	214	207	202	710	730	740	152	151	149	- 1
Delaware	16	15	15	760	780	795	12.2	11.7	11.9	+ 2
Maryland	171	169	167	750	765	790	128	129	132	+ 2
Virginia	232	226	222	665	680	700	154	154	155	+ 1
West Virginia	68	63	62	545	560	580	37	35	36	+ 3
North Carolina	195	191	189	655	670	685	128	128	129	+ 1
South Carolina	72	70	67	625	655	685	45	46	46	0
Georgia	140	140	141	670	695	745	94	97	105	+ 8
Florida	186	190	191	755	730	745	140	139	142	+ 2
Kentucky	371	356	345	590	610	635	219	217	219	+ 1
Tennessee	332	315	306	565	605	640	188	191	196	+ 3
Alabama	144	139	135	495	515	550	71	72	74	+ 3
Mississippi	211	203	197	450	475	490	95	96	97	+ 1
Arkansas	104	100	97	570	610	615	59	61	60	- 2
Louisiana	182	175	174	510	560	590	93	98	103	+ 5
Oklahoma	156	152	149	730	740	780	114	112	116	+ 4
Texas	373	349	354	720	755	755	269	263	267	+ 2
Montana	48	45	43	640	670	690	31	30	30	0
Idaho	156	155	153	800	785	810	125	122	124	+ 2
Wyoming	19.7	19.0	18.7	680	690	700	13.4	13.1	13.1	0
Colorado	99	100	102	715	750	750	71	75	76	+ 1
New Mexico	38	37	36	685	705	720	26	26	26	0
Arizona	51	52	52	925	960	1,005	47	50	52	+ 4
Utah	75	76	79	850	870	900	64	66	71	+ 8
Nevada	13.6	13.8	13.8	845	845	855	11.5	11.7	11.8	+ 1
Washington	186	182	181	920	950	980	171	173	177	+ 2
Oregon	114	111	108	775	795	830	88	88	90	+ 2
California	781	776	777	965	965	1,000	754	749	777	+ 4
Alaska	1.9	1.8	1.9	770	795	860	1.46	1.43	1.63	+14
Hawaii	13.7	12.5	12.6	830	910	910	11.4	11.4	11.5	+ 1
United States	13,132	12,743	12,500	796	806	826	10,457	10,265	10,330	+ 0.6

1/ Includes dry cows. Excludes helpers not yet fresh.

2/ Excludes milk sucked by calves.

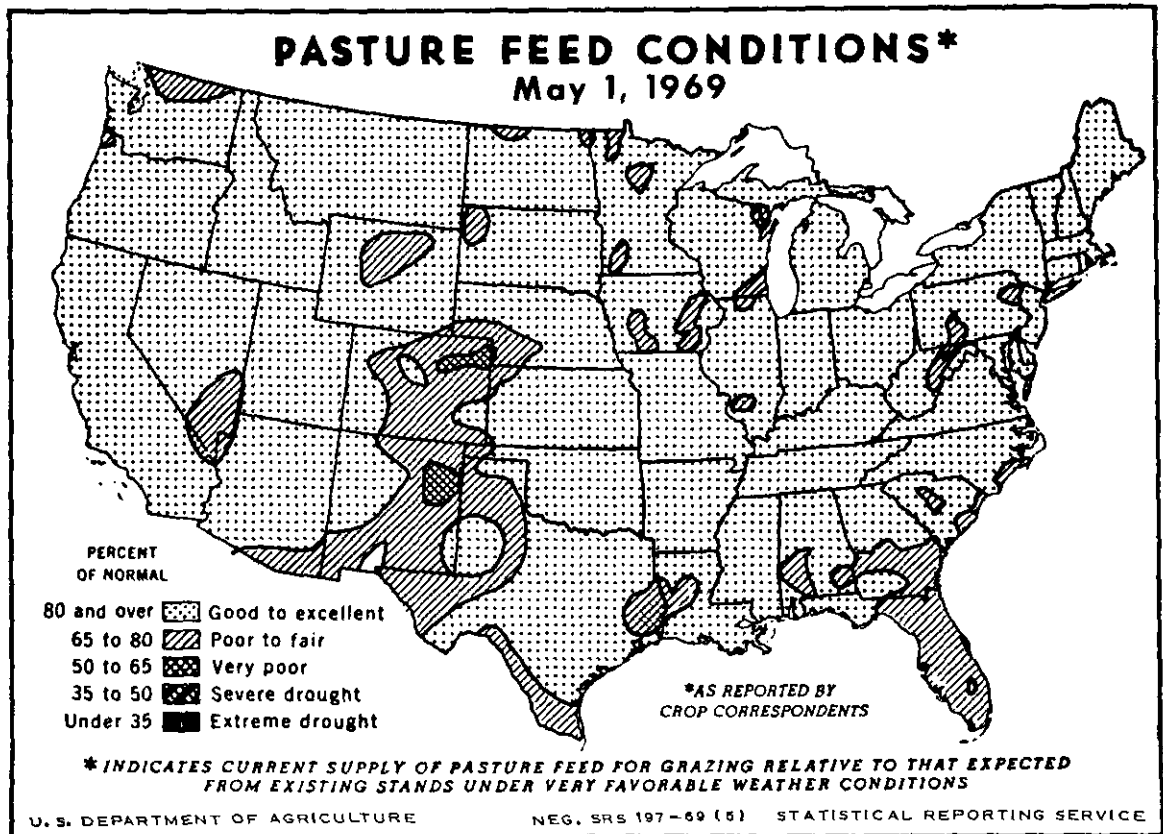
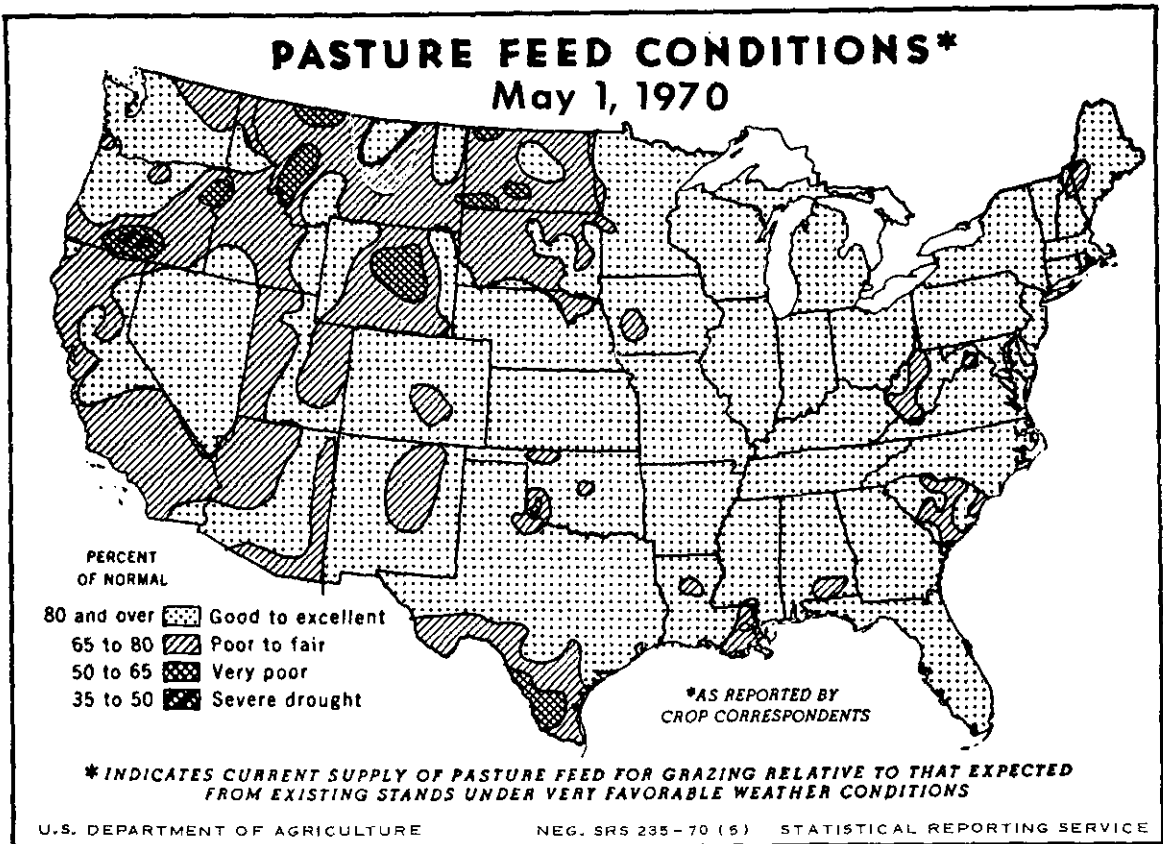
Milk-feed price ratios, milk prices, and ration values, by regions 1/

Region	Milk-feed price ratio 2/			All milk price per cwt.			Ration value 3/		
	Apr. 1969 4/	Mar. 1970	Apr. 1970	Apr. 1969 4/	Mar. 1970	Apr. 1970	Apr. 1969	Mar. 1970	Apr. 1970
	-- Pounds --			-- Dollars --					
N. Atl.	1.56	1.62	1.61	5.67	6.01	5.94	3.63	3.70	3.70
E. N. Cent. ..	1.67	1.75	1.72	4.97	5.29	5.21	2.97	3.03	3.03
W. N. Cent. ..	1.73	1.81	1.78	4.52	4.82	4.78	2.62	2.67	2.68
S. Atl.	1.87	1.90	1.84	6.46	6.76	6.57	3.45	3.56	3.58
S. Cent.	1.75	1.85	1.77	5.77	6.20	5.92	3.29	3.35	3.35
West.	1.63	1.70	1.67	5.16	5.49	5.40	3.16	3.22	3.23
U. S.	1.67	1.73	1.71	5.23	5.55	5.47	3.13	3.20	3.20

1/ Data for current month are preliminary. 2/ Pounds of concentrate ration equal in value to 1 pound milk sold to plants. 3/ Value per 100 pounds of concentrate ration fed to milk cows. 4/ Revised.

May 1 pasture feed condition as percent of normal, by States

State	Average 1959-68	1969	1970	State	Average 1959-68	1969	1970
	-- Percent --				-- Percent --		
Me.	88	87	82	N. C.	85	91	90
N. H.	86	90	87	S. C.	81	87	84
Vt.	88	88	86	Ga.	80	84	86
Mass.	86	88	86	Fla.	71	77	83
R. I.	86	90	82	Ky.	85	89	91
Conn.	87	88	84	Tenn.	84	88	90
N. Y.	86	91	91	Ala.	81	87	88
N. J.	81	82	83	Miss.	80	86	85
Pa.	84	87	89	Ark.	82	90	88
Ohio	87	89	89	La.	79	85	85
Ind.	89	90	91	Okla.	79	90	86
Ill.	89	90	91	Texas	75	85	86
Mich.	91	90	89	Mont.	79	92	78
Wis.	84	89	89	Idaho	86	92	79
Minn.	83	88	87	Wyo.	81	89	81
Iowa	87	85	87	Colo.	76	75	87
Mo.	83	89	88	N. Mex.	69	76	77
N. Dak.	70	86	72	Ariz.	84	87	79
S. Dak.	75	85	80	Utah	84	91	77
Nebr.	82	85	87	Nev.	78	86	84
Kans.	79	90	86	Wash.	85	85	83
Del.	86	92	91	Oreg.	86	88	83
Md.	84	84	87	Calif.	80	92	73
Va.	83	88	90	U. S.	82	87	86
W. Va.	79	83	82				



GRAIN AND OTHER CONCENTRATES FED TO MILK COWS, 1969

Feeding rates higher in 1969

Grain and concentrates fed to milk cows in 1969 totaled 23,615,000 tons, up 3 percent from a year earlier. Farmers fed 3,726 pounds of grain and concentrate per milk cow in 1969--6 percent more than a year earlier. Grain and concentrate feeding was 4,000 pounds or more per cow in 12 of the 48 States compared with 7 States a year earlier. The amount fed per cow was highest in Florida; followed by Texas, Connecticut, Oklahoma and Rhode Island. Some 40.7 pounds of grain and concentrates were fed per 100 pounds of milk produced, up 4 percent from 1968. Here too, Florida fed the most grain and concentrate per 100 pounds of milk, followed by Mississippi and Louisiana, Arkansas, Alabama and Texas.

Commercial mixed feeds most important

In 1969 commercially mixed feed replaced corn for the first time as the most important dairy feed item. The percentage of commercially mixed feed was 38 percent while corn represented 37 percent of the total; together they equaled about three-fourths of the concentrate fed to milk cows in 1969. Corn amounted to more than 60 percent of ration composition in 7 States, and commercially mixed feeds accounted for over 80 percent of ration composition in 9 States. Oats was 11 percent of the U. S. ration in 1969, down slightly from a year earlier. Each of the other feeds represented less than 5 percent of the national total, although some were important on a State basis. Home-grown grains equaled 40 percent of the total concentrate ration fed to milk cows in 1969 compared with 41 percent in 1968. In 1969, 75 percent of the corn, 82 percent of the oats and 58 percent of the barley fed to milk cows was home-grown.

Value of concentrate ration above a year earlier

The average value of concentrate ration fed to milk cows is estimated at \$3.15 per 100 pounds in 1969--up 5¢ from a year earlier. The value ranged from a low of \$3.10 per 100 pounds in January to a high of \$3.18 in July and December. The value for 1969 averaged lowest in North Dakota where home-grown oats made up a large share of the ration total.

Milk-feed price ratio highest of record

The 1969 milk-feed price ratio averaged a record high 1.74 in 1969, up 2 percent from 1968. Increases in milk prices more than offset a relatively small increase in ration value. The 1969 ratio equaled or exceeded 1968 ratios in all months except August and October when they fell slightly below the 1968 ratio.

Quantity and value of grain and other concentrates
fed to milk cows, by States, 1969 1/

State	Annual quantity fed to milk cows			Annual average	Annual average
	Total	Per cow	Per 100 lb.	value of	feed value
	1,000 tons	Pounds	of milk	feed per	per 100 lb.
				100 lb.	of milk
				Dollars	
Maine	127	3,680	41	3.75	1.54
N. H.	71	3,740	39	3.70	1.44
Vt.	354	3,440	37	3.66	1.35
Mass.	140	4,240	41	3.63	1.49
R. I.	17	4,250	42	3.65	1.53
Conn.	142	4,320	42	3.66	1.54
N. Y.	1,910	3,730	37	3.68	1.36
N. J.	157	4,190	40	3.76	1.50
Pa.	1,500	4,180	43	3.55	1.53
Ohio	933	4,030	42	3.12	1.31
Ind.	488	4,050	41	2.90	1.19
Ill.	623	3,870	40	2.67	1.07
Mich.	928	3,930	40	2.87	1.15
Wis.	3,415	3,700	38	3.07	1.17
Minn.	1,895	3,760	39	2.73	1.06
Iowa	1,030	3,900	43	2.54	1.09
Mo.	657	3,570	44	3.00	1.32
N. Dak.	214	2,890	39	1.95	.76
S. Dak.	306	3,190	39	2.28	.89
Nebr.	326	3,230	40	2.57	1.03
Kans.	354	3,430	42	2.63	1.10
Del.	30	3,980	44	3.57	1.57
Md.	336	3,970	43	3.62	1.56
Va.	356	3,160	39	3.70	1.44
W. Va.	76	2,430	37	3.80	1.41
N. C.	326	3,430	44	3.64	1.60
S. C.	124	3,540	49	3.58	1.75
Ga.	284	4,060	51	3.58	1.83
Fla.	546	5,740	70	2.99	2.09
Ky.	544	3,070	44	3.30	1.45
Tenn.	493	3,150	47	3.44	1.62
Ala.	211	3,060	52	3.49	1.81
Miss.	288	2,860	54	3.40	1.84
Ark.	184	3,710	53	3.32	1.76
La.	290	3,320	54	3.45	1.86
Okla.	324	4,290	51	3.11	1.59
Texas	776	4,420	52	3.17	1.65
Mont.	56	2,550	32	2.50	.80
Idaho	208	2,680	29	2.74	.79
Wyo.	22	2,290	28	2.76	.77
Colo.	169	3,350	39	2.92	1.14
N. Mex.	54	3,000	35	3.23	1.13
Ariz.	100	3,930	35	3.28	1.15
Utah	126	3,300	32	2.99	.96
Nev.	23	3,330	33	3.33	1.10
Wash.	316	3,460	32	3.27	1.05
Oreg.	156	2,830	32	3.43	1.10
Calif.	1,610	4,150	36	3.23	1.16
U. S.	23,615	3,726	40.7	3.15	1.28

1/ Estimates for all farms where milk produced, either for sale or for home use.

Individual feeds as percentage of the total concentrate ration fed
to milk cows by dairy reporters, by States, 1969 1/

State	Grains					Cotton- seed meal	Soy- bean meal	Wheat bran, shorts	Dried beet pulp	Dried citrus pulp	Com- mer- cial mixed feed	Misc. other
	Corn	Oats	Barley	Wheat	Sorghum							
	P e r c e n t											
Maine	1	1	-	-	-	-	-	1	1	2	92	2
N. H.	-	-	-	-	-	-	-	-	1	2	97	-
Vt.	2	-	-	-	-	-	-	-	-	2	95	1
Mass.	2	-	-	-	-	-	-	2	5	89	2	
R. I.	-	-	-	-	-	-	-	8	3	86	3	
Conn.	1	-	-	-	-	-	-	4	7	86	2	
N. Y.	16	8	-	2	-	-	2	1	-	-	67	4
N. J.	20	4	6	-	-	-	2	-	2	-	63	3
Pa.	38	11	4	-	-	-	6	1	-	-	34	6
Ohio	66	12	-	2	-	-	5	1	-	-	12	2
Ind.	68	9	-	1	-	-	3	-	-	-	17	2
Ill.	72	12	-	-	-	-	4	1	-	-	10	1
Mich.	63	21	1	4	-	-	4	-	-	-	6	1
Wis.	57	25	1	-	-	-	3	2	-	-	8	4
Minn.	58	27	1	-	-	-	2	1	1	-	9	1
Iowa	77	12	-	-	-	-	3	-	-	-	8	-
Mo.	41	3	1	-	5	-	3	4	-	-	41	2
N. Dak.	3	66	15	1	-	-	1	-	-	-	14	-
S. Dak.	41	35	10	2	2	-	1	-	-	-	8	1
Nebr.	61	5	-	1	9	-	3	1	-	-	20	-
Kans.	17	1	3	5	48	-	4	3	-	-	17	2
Del.	31	1	5	-	-	-	-	-	-	-	61	2
Md.	43	6	9	-	-	-	8	2	-	-	30	2
Va.	35	4	6	-	2	1	5	2	-	-	42	3
W. Va.	33	4	1	-	-	-	3	-	-	-	59	-
N. C.	29	3	7	-	-	1	7	-	-	3	49	1
S. C.	27	3	1	-	-	3	2	-	-	4	58	2
Ga.	20	1	-	-	-	4	-	2	-	11	57	5
Fla.	10	-	-	-	-	2	2	2	-	19	64	1
Ky.	61	2	1	-	-	-	6	-	-	-	28	2
Tenn.	22	2	-	-	-	2	1	-	-	-	72	1
Ala.	32	1	-	-	-	3	3	-	-	5	55	1
Miss.	20	1	-	-	-	3	1	1	-	-	73	1
Ark.	5	-	-	-	2	1	-	2	-	-	90	-
La.	12	1	-	-	1	4	3	1	-	-	75	3
Okla.	3	8	10	-	26	5	1	5	-	-	38	4
Texas.	7	4	1	-	32	5	1	1	-	1	45	3
Mont.	-	11	40	1	-	-	1	2	2	-	42	1
Idaho	6	3	31	5	-	-	1	1	5	-	37	11
Wyo.	5	2	68	3	-	-	-	-	2	-	20	-
Colo.	31	2	13	7	3	-	1	-	1	-	41	1
N. Mex.	2	1	6	1	28	-	1	2	-	-	55	4
Ariz.	1	-	8	1	3	-	-	1	1	-	76	9
Utah	2	2	48	4	-	-	-	1	6	-	36	1
Nev.	-	-	26	-	2	-	-	-	-	-	71	1
Wash.	3	2	2	-	-	-	-	2	3	-	88	-
Oreg.	1	9	6	4	1	-	1	-	1	-	76	1
Calif.	1	-	1	-	-	-	-	-	-	-	98	-
U. S.	36.9	11.4	2.4	.7	2.6	.5	2.7	1.1	.3	.8	38.2	2.4

1/ Based on reports of rations fed on May 1 and November 1.

Home-grown feed as percentage of total for kinds fed to milk cows
by dairy reporters, by States, 1968 and 1969 1/

State	Total concentrate ration		Corn		Oats		Barley	
	1968	1969	1968	1969	1968	1969	1968	1969
	P e r c e n t							
Maine	-	-	-	-	30	35	-	-
N. H.	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	22	-	-	-
Mass.	-	-	-	-	-	-	-	-
R. I.	-	-	-	-	-	-	-	-
Conn.	-	-	10	15	-	-	-	-
N. Y.	18	20	58	65	89	93	-	-
N. J.	24	24	82	84	62	50	79	76
Pa.	48	43	85	79	78	72	92	79
Ohio	68	67	81	80	86	85	89	-
Ind.	70	67	85	87	74	72	100	-
Ill.	75	75	90	90	84	81	-	-
Mich.	73	73	80	80	84	89	69	69
Wis.	58	63	66	72	82	84	75	65
Minn.	78	76	88	89	91	87	-	77
Iowa	75	76	86	87	84	79	-	-
Mo.	34	30	62	59	73	67	56	63
N. Dak.	70	74	70	70	78	86	88	96
S. Dak.	66	68	76	75	78	85	55	60
Nebr.	58	56	79	73	76	75	-	-
Kans.	45	45	51	56	45	54	32	39
Del.	36	29	75	80	79	85	60	65
Md.	46	44	75	77	57	66	80	69
Va.	27	32	50	63	79	65	91	86
W. Va.	22	14	43	34	41	50	70	65
N. C.	21	20	53	47	70	59	70	66
S. C.	20	20	50	58	60	62	77	88
Ga.	11	10	43	47	65	62	-	-
Fla.	2	2	25	25	-	-	-	-
Ky.	50	46	70	72	58	49	91	85
Tenn.	19	13	63	53	71	64	-	-
Ala.	12	12	35	35	30	34	-	-
Miss.	17	13	57	60	38	45	-	-
Ark.	2	2	28	29	-	-	-	-
La.	3	3	22	22	20	20	-	-
Okla.	13	12	20	29	29	16	48	37
Texas	6	8	8	7	25	20	-	12
Mont.	22	22	-	-	58	63	34	36
Idaho	45	36	79	75	76	67	59	57
Wyo.	37	36	-	-	60	62	46	49
Colo.	16	17	32	30	44	55	48	37
N. Mex.	5	4	36	26	-	-	40	35
Ariz.	9	4	-	-	-	-	46	39
Utah	29	28	7	10	60	59	51	49
Nev.	19	13	-	-	-	-	58	50
Wash.	3	2	-	-	66	76	29	25
Oreg.	5	10	46	49	50	62	38	33
Calif.	-	-	15	15	-	-	5	5
U. S.	40.8	40.4	74.0	75.1	81.7	81.6	59.3	58.4

1/ Based on reports of rations fed on May 1 and November 1. For corn, oats and barley, figures are shown only for States where that kind of grain was reported fed to milk cows.

Value per 100 pounds of concentrate ration fed to
milk cows, by States and months, 1968 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
D o l l a r s													
Maine	4.04	4.02	4.00	3.96	3.92	3.88	3.80	3.80	3.80	3.80	3.82	3.83	3.89
N. H.	3.88	3.86	3.85	3.84	3.83	3.82	3.80	3.78	3.76	3.75	3.75	3.76	3.81
Vt.	3.82	3.80	3.80	3.78	3.77	3.76	3.74	3.72	3.68	3.68	3.68	3.70	3.74
Mass.	3.90	3.96	3.92	3.88	3.82	3.76	3.72	3.68	3.70	3.72	3.74	3.74	3.80
R. I.	3.86	3.88	3.84	3.80	3.76	3.72	3.68	3.68	3.70	3.74	3.74	3.72	3.76
Conn.	3.86	3.84	3.80	3.76	3.72	3.72	3.72	3.74	3.76	3.80	3.78	3.76	3.77
N. Y.	3.68	3.68	3.68	3.68	3.66	3.64	3.62	3.60	3.61	3.62	3.63	3.64	3.64
N. J.	3.78	3.75	3.69	3.72	3.72	3.70	3.71	3.67	3.63	3.60	3.67	3.66	3.69
Pa.	3.54	3.56	3.54	3.52	3.52	3.48	3.44	3.40	3.43	3.48	3.50	3.50	3.49
Ohio	3.02	3.04	3.06	3.06	3.05	3.05	3.04	3.00	2.98	2.96	2.95	2.98	3.02
Ind.	2.92	2.92	2.90	2.88	2.88	2.86	2.86	2.84	2.82	2.80	2.80	2.82	2.86
Ill.	2.64	2.60	2.56	2.52	2.48	2.48	2.50	2.50	2.48	2.46	2.54	2.58	2.53
Mich.	2.92	2.84	2.80	2.74	2.74	2.72	2.72	2.70	2.70	2.70	2.70	2.73	2.75
Wis.	2.96	2.96	2.98	2.98	2.99	3.00	2.99	2.98	2.96	2.94	2.94	2.94	2.97
Minn.	2.68	2.68	2.70	2.74	2.77	2.78	2.72	2.68	2.64	2.60	2.60	2.64	2.69
Iowa	2.42	2.46	2.50	2.52	2.52	2.50	2.46	2.44	2.42	2.40	2.38	2.42	2.45
Mo.	2.94	2.96	2.98	3.00	3.00	2.98	2.94	2.92	2.90	2.88	2.90	2.94	2.94
N. Dak.	1.96	1.98	1.98	1.96	1.94	1.90	1.86	1.82	1.78	1.77	1.80	1.84	1.88
S. Dak.	2.34	2.36	2.37	2.40	2.41	2.38	2.32	2.26	2.20	2.22	2.25	2.25	2.31
Nebr.	2.58	2.58	2.57	2.56	2.56	2.54	2.52	2.50	2.48	2.44	2.40	2.46	2.52
Kans.	2.67	2.72	2.74	2.74	2.72	2.68	2.66	2.64	2.56	2.48	2.50	2.52	2.64
Del.	3.59	3.59	3.58	3.57	3.56	3.54	3.52	3.46	3.44	3.43	3.42	3.48	3.52
Md.	3.56	3.54	3.54	3.56	3.54	3.51	3.50	3.50	3.50	3.50	3.52	3.56	3.53
Va.	3.72	3.72	3.72	3.72	3.70	3.68	3.67	3.66	3.64	3.62	3.60	3.64	3.67
W. Va.	3.80	3.84	3.86	3.88	3.92	3.84	3.76	3.72	3.68	3.68	3.68	3.72	3.78
N. C.	3.56	3.58	3.60	3.61	3.60	3.59	3.58	3.54	3.52	3.50	3.52	3.60	3.57
S. C.	3.50	3.48	3.49	3.49	3.50	3.46	3.45	3.44	3.42	3.40	3.40	3.44	3.46
Ga.	3.56	3.58	3.58	3.58	3.56	3.54	3.52	3.50	3.48	3.46	3.45	3.46	3.52
Fla.	3.38	3.28	3.20	3.14	3.10	3.07	3.01	2.98	2.96	2.94	2.92	2.94	3.08
Ky.	3.30	3.30	3.28	3.25	3.21	3.19	3.18	3.16	3.15	3.14	3.15	3.18	3.21
Tenn.	3.47	3.48	3.46	3.44	3.40	3.37	3.34	3.32	3.28	3.27	3.31	3.35	3.37
Ala.	3.38	3.42	3.44	3.43	3.40	3.36	3.32	3.27	3.26	3.28	3.34	3.40	3.36
Miss.	3.44	3.46	3.42	3.38	3.37	3.40	3.40	3.40	3.36	3.32	3.34	3.36	3.39
Ark.	3.28	3.30	3.32	3.33	3.34	3.33	3.32	3.30	3.28	3.26	3.24	3.26	3.30
La.	3.60	3.58	3.56	3.54	3.52	3.52	3.51	3.50	3.48	3.44	3.42	3.44	3.51
Okla.	3.12	3.14	3.12	3.12	3.10	3.08	3.06	3.04	3.02	3.00	3.00	3.02	3.07
Texas	3.22	3.23	3.24	3.23	3.22	3.21	3.20	3.16	3.10	3.11	3.12	3.14	3.18
Mont.	2.68	2.70	2.68	2.64	2.60	2.58	2.56	2.52	2.50	2.48	2.48	2.49	2.58
Idaho	2.73	2.75	2.78	2.79	2.78	2.76	2.73	2.69	2.67	2.65	2.65	2.66	2.72
Wyo.	2.74	2.78	2.79	2.78	2.77	2.74	2.68	2.62	2.56	2.55	2.55	2.57	2.68
Colo.	2.90	2.92	2.93	2.94	2.93	2.92	2.91	2.90	2.86	2.83	2.80	2.82	2.89
N. Mex.	3.24	3.26	3.26	3.25	3.24	3.22	3.19	3.16	3.14	3.13	3.12	3.14	3.20
Ariz.	3.38	3.36	3.37	3.34	3.30	3.27	3.27	3.23	3.22	3.22	3.22	3.24	3.28
Utah	2.91	2.94	2.95	2.96	2.96	2.94	2.92	2.90	2.87	2.85	2.85	2.86	2.91
Nev.	3.34	3.36	3.37	3.38	3.37	3.35	3.34	3.32	3.30	3.27	3.25	3.23	3.32
Wash.	3.36	3.36	3.36	3.36	3.36	3.35	3.34	3.30	3.31	3.34	3.35	3.36	3.35
Oreg.	3.48	3.47	3.46	3.45	3.44	3.42	3.42	3.41	3.41	3.40	3.39	3.38	3.43
Calif.	3.29	3.32	3.34	3.34	3.32	3.28	3.20	3.18	3.18	3.19	3.20	3.20	3.25
U. S.	3.14	3.14	3.14	3.14	3.13	3.11	3.09	3.06	3.05	3.04	3.05	3.06	3.10

1/ Estimates of ration values are based on quarterly reports from dairy correspondents on value per 100 pounds of concentrate ration being fed, with intervening months interpolated on basis of monthly reports in a few States, and changes in prices of feeds usually included in the ration.

Value per 100 pounds of concentrate ration fed
to milk cows, by States and months, 1969 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
D o l l a r s													
Maine	3.86	3.87	3.84	3.80	3.72	3.68	3.64	3.65	3.68	3.72	3.76	3.77	3.75
N. H.	3.78	3.80	3.76	3.72	3.68	3.64	3.60	3.62	3.64	3.68	3.72	3.76	3.70
Vt.	3.72	3.76	3.68	3.61	3.59	3.60	3.61	3.62	3.64	3.68	3.72	3.68	3.66
Mass.	3.75	3.68	3.60	3.56	3.52	3.56	3.58	3.60	3.64	3.66	3.70	3.66	3.63
R. I.	3.70	3.66	3.60	3.54	3.54	3.54	3.62	3.66	3.70	3.72	3.76	3.72	3.65
Conn.	3.76	3.72	3.64	3.56	3.52	3.56	3.60	3.66	3.70	3.74	3.75	3.71	3.66
N. Y.	3.66	3.68	3.68	3.68	3.67	3.66	3.66	3.67	3.68	3.69	3.71	3.72	3.68
N. J.	3.70	3.73	3.75	3.75	3.81	3.81	3.79	3.75	3.73	3.72	3.74	3.79	3.76
Pa.	3.50	3.53	3.54	3.55	3.58	3.59	3.59	3.58	3.56	3.56	3.54	3.52	3.55
Ohio	3.02	3.08	3.10	3.12	3.14	3.16	3.17	3.16	3.14	3.13	3.12	3.14	3.12
Ind.	2.84	2.86	2.87	2.88	2.89	2.90	2.93	2.92	2.91	2.90	2.94	2.98	2.90
Ill.	2.56	2.60	2.66	2.72	2.72	2.70	2.70	2.69	2.68	2.66	2.64	2.66	2.67
Mich.	2.79	2.79	2.78	2.73	2.76	2.84	2.90	2.94	2.95	2.96	2.98	3.00	2.87
Wis.	2.97	3.00	3.02	3.06	3.11	3.14	3.14	3.13	3.10	3.08	3.06	3.06	3.07
Minn.	2.70	2.73	2.68	2.68	2.76	2.75	2.79	2.73	2.74	2.76	2.76	2.73	2.73
Iowa	2.47	2.52	2.50	2.52	2.56	2.60	2.60	2.58	2.56	2.54	2.54	2.55	2.54
Mo.	2.96	2.97	2.96	2.96	2.98	2.99	3.01	3.02	3.03	3.02	3.05	3.09	3.00
N. Dak.	1.90	1.93	1.94	1.95	1.96	1.96	1.96	1.94	1.92	1.94	1.96	2.00	1.95
S. Dak.	2.28	2.30	2.32	2.32	2.32	2.30	2.28	2.27	2.26	2.25	2.25	2.26	2.28
Nebr.	2.52	2.54	2.56	2.58	2.60	2.60	2.59	2.58	2.56	2.54	2.56	2.58	2.57
Kans.	2.58	2.62	2.63	2.63	2.62	2.64	2.66	2.66	2.64	2.62	2.62	2.60	2.63
Del.	3.50	3.54	3.56	3.60	3.61	3.62	3.63	3.63	3.58	3.50	3.50	3.56	3.57
Md.	3.60	3.60	3.62	3.62	3.63	3.64	3.66	3.67	3.62	3.58	3.59	3.64	3.62
Va.	3.68	3.70	3.69	3.69	3.71	3.72	3.74	3.73	3.72	3.67	3.68	3.72	3.70
W. Va.	3.76	3.80	3.76	3.78	3.82	3.84	3.84	3.84	3.82	3.80	3.78	3.80	3.80
N. C.	3.64	3.62	3.60	3.62	3.64	3.68	3.68	3.66	3.64	3.62	3.63	3.68	3.64
S. C.	3.44	3.48	3.54	3.58	3.62	3.64	3.64	3.64	3.60	3.58	3.56	3.60	3.58
Ga.	3.46	3.50	3.54	3.56	3.60	3.60	3.60	3.56	3.58	3.60	3.64	3.68	3.58
Fla.	2.94	2.95	2.90	2.94	2.96	3.00	3.04	3.02	3.01	3.00	3.04	3.08	2.99
Ky.	3.22	3.28	3.29	3.30	3.32	3.36	3.40	3.36	3.30	3.23	3.24	3.30	3.30
Tenn.	3.40	3.44	3.42	3.44	3.46	3.48	3.46	3.44	3.40	3.42	3.44	3.48	3.44
Ala.	3.48	3.52	3.50	3.50	3.50	3.50	3.50	3.49	3.49	3.48	3.47	3.48	3.49
Miss.	3.38	3.40	3.48	3.37	3.35	3.38	3.44	3.44	3.44	3.40	3.44	3.44	3.40
Ark.	3.28	3.26	3.30	3.31	3.32	3.33	3.34	3.32	3.30	3.36	3.38	3.36	3.32
La.	3.46	3.46	3.44	3.44	3.44	3.45	3.46	3.45	3.45	3.45	3.45	3.44	3.45
Okla.	3.04	3.10	3.14	3.16	3.17	3.15	3.11	3.08	3.07	3.06	3.08	3.12	3.11
Texas	3.14	3.14	3.12	3.08	3.10	3.12	3.16	3.20	3.22	3.24	3.26	3.28	3.17
Mont.	2.52	2.56	2.58	2.58	2.56	2.56	2.52	2.48	2.44	2.40	2.40	2.40	2.50
Idaho	2.70	2.72	2.74	2.75	2.78	2.78	2.78	2.74	2.72	2.72	2.72	2.74	2.74
Wyo.	2.62	2.66	2.70	2.74	2.78	2.80	2.81	2.82	2.80	2.78	2.78	2.80	2.76
Colo.	2.85	2.88	2.92	2.94	2.97	2.98	2.99	2.98	2.94	2.90	2.85	2.88	2.92
N. Mex.	3.17	3.18	3.17	3.17	3.19	3.22	3.24	3.26	3.27	3.28	3.29	3.30	3.23
Ariz.	3.25	3.26	3.27	3.28	3.26	3.24	3.26	3.30	3.31	3.30	3.28	3.32	3.28
Utah	2.88	2.92	2.97	3.02	3.04	3.06	3.06	3.04	3.00	2.96	2.98	2.96	2.99
Nev.	3.23	3.27	3.32	3.36	3.38	3.40	3.38	3.36	3.32	3.30	3.30	3.32	3.33
Wash.	3.36	3.34	3.30	3.25	3.19	3.22	3.24	3.26	3.26	3.27	3.28	3.30	3.27
Oreg.	3.42	3.48	3.47	3.46	3.45	3.46	3.46	3.44	3.42	3.37	3.35	3.35	3.43
Calif.	3.22	3.22	3.22	3.22	3.21	3.19	3.21	3.24	3.24	3.23	3.26	3.32	3.23
U. S.	3.10	3.12	3.12	3.13	3.15	3.17	3.18	3.17	3.16	3.16	3.16	3.18	3.15

See footnote 1/ on page 10.

Milk-feed price ratios, by States and months 1968 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
----- D o l l a r s -----													
Maine	1.56	1.55	1.52	1.49	1.52	1.49	1.62	1.68	1.72	1.82	1.81	1.72	1.62
N. H.	1.60	1.59	1.55	1.48	1.48	1.44	1.59	1.69	1.77	1.85	1.84	1.76	1.64
Vt.	1.54	1.53	1.47	1.42	1.42	1.38	1.54	1.65	1.74	1.81	1.79	1.70	1.58
Mass.	1.63	1.58	1.54	1.52	1.52	1.52	1.67	1.78	1.84	1.90	1.87	1.79	1.68
R. I.	1.65	1.62	1.58	1.53	1.52	1.49	1.66	1.77	1.82	1.87	1.87	1.80	1.68
Conn.	1.68	1.67	1.61	1.58	1.60	1.57	1.72	1.83	1.90	1.95	1.92	1.82	1.74
N. Y.	1.46	1.45	1.39	1.35	1.35	1.34	1.51	1.64	1.70	1.74	1.71	1.63	1.52
N. J.	1.52	1.55	1.53	1.47	1.46	1.45	1.56	1.69	1.77	1.82	1.78	1.73	1.61
Pa.	1.64	1.64	1.59	1.57	1.57	1.56	1.67	1.75	1.80	1.82	1.83	1.79	1.69
Ohio	1.91	1.88	1.83	1.77	1.73	1.69	1.74	1.83	1.92	2.00	2.06	2.04	1.87
Ind.	1.88	1.85	1.86	1.79	1.75	1.73	1.78	1.88	2.00	2.09	2.12	2.09	1.90
Ill.	1.93	1.94	1.91	1.94	1.98	1.92	1.96	1.98	2.08	2.17	2.13	2.11	2.00
Mich.	1.93	1.97	1.98	2.01	2.01	1.91	1.97	2.00	2.02	2.09	2.13	2.09	2.01
Wis.	1.52	1.50	1.47	1.50	1.50	1.49	1.51	1.53	1.60	1.66	1.67	1.66	1.55
Minn.	1.55	1.54	1.51	1.56	1.55	1.54	1.58	1.63	1.71	1.77	1.75	1.72	1.62
Iowa	1.83	1.78	1.72	1.73	1.74	1.70	1.77	1.82	1.90	1.95	1.99	2.00	1.83
Mo.	1.70	1.66	1.58	1.52	1.52	1.51	1.55	1.61	1.69	1.81	1.86	1.85	1.66
N. Dak.	2.17	2.10	2.07	2.12	2.11	2.16	2.23	2.36	2.50	2.57	2.53	2.47	2.28
S. Dak.	1.84	1.78	1.73	1.75	1.74	1.74	1.79	1.88	2.00	2.05	2.02	2.02	1.86
Nebr.	1.80	1.76	1.73	1.70	1.70	1.65	1.75	1.82	1.96	2.05	2.10	1.99	1.83
Kans.	1.99	1.91	1.86	1.82	1.86	1.85	1.88	1.93	2.09	2.20	2.22	2.20	1.98
Del.	1.67	1.67	1.63	1.62	1.66	1.62	1.68	1.73	1.80	1.87	1.90	1.84	1.72
Md.	1.76	1.75	1.72	1.66	1.68	1.65	1.66	1.69	1.76	1.84	1.86	1.83	1.74
Va.	1.68	1.69	1.65	1.57	1.55	1.52	1.54	1.57	1.63	1.73	1.79	1.76	1.64
W. Va.	1.63	1.60	1.55	1.48	1.44	1.45	1.50	1.55	1.64	1.70	1.74	1.72	1.58
N. C.	1.90	1.89	1.85	1.77	1.78	1.72	1.75	1.82	1.88	1.95	1.97	1.88	1.85
S. C.	1.99	1.95	1.93	1.86	1.89	1.88	1.91	1.93	2.00	2.09	2.12	2.03	1.96
Ga.	1.78	1.83	1.79	1.76	1.80	1.75	1.79	1.84	1.87	1.94	1.97	1.92	1.84
Fla.	2.06	2.10	2.11	2.10	2.15	2.15	2.31	2.40	2.43	2.50	2.53	2.50	2.28
Ky.	1.62	1.58	1.54	1.45	1.45	1.43	1.45	1.53	1.65	1.77	1.84	1.86	1.60
Tenn.	1.67	1.64	1.60	1.51	1.51	1.50	1.53	1.57	1.66	1.76	1.78	1.78	1.63
Ala.	1.91	1.89	1.85	1.84	1.79	1.85	1.90	1.94	1.96	2.03	2.01	1.94	1.91
Miss.	1.80	1.76	1.75	1.70	1.71	1.65	1.66	1.71	1.80	1.93	1.95	1.90	1.78
Ark.	1.81	1.74	1.66	1.59	1.59	1.59	1.61	1.64	1.74	1.83	1.91	1.89	1.72
La.	1.85	1.86	1.81	1.77	1.85	1.82	1.84	1.93	1.97	2.05	2.05	1.99	1.90
Okla.	1.84	1.72	1.75	1.70	1.71	1.72	1.75	1.81	1.90	1.98	2.00	1.95	1.82
Texas	1.97	1.95	1.90	1.84	1.88	1.87	1.91	2.01	2.13	2.19	2.23	2.17	2.00
Mont.	2.01	1.98	1.94	1.93	1.87	1.84	1.91	2.08	2.16	2.26	2.28	2.27	2.04
Idaho	1.59	1.55	1.49	1.54	1.51	1.50	1.52	1.56	1.65	1.70	1.74	1.75	1.59
Wyo.	1.92	1.85	1.81	1.82	1.81	1.77	1.83	1.93	2.03	2.10	2.16	2.12	1.93
Colo.	2.07	2.02	1.98	1.96	2.00	1.93	1.96	2.03	2.10	2.19	2.23	2.20	2.06
N. Mex.	1.87	1.81	1.78	1.74	1.74	1.69	1.76	1.79	1.88	1.92	2.02	2.04	1.84
Ariz.	1.83	1.80	1.78	1.77	1.86	1.83	1.91	2.01	2.02	2.03	2.02	1.98	1.90
Utah	1.77	1.72	1.68	1.66	1.66	1.60	1.63	1.69	1.78	1.82	1.88	1.85	1.73
Nev.	1.81	1.77	1.69	1.64	1.60	1.60	1.60	1.64	1.68	1.73	1.77	1.81	1.70
Wash.	1.67	1.64	1.61	1.61	1.58	1.58	1.60	1.65	1.69	1.71	1.73	1.71	1.65
Oreg.	1.61	1.57	1.53	1.51	1.50	1.51	1.51	1.55	1.63	1.66	1.71	1.75	1.59
Calif.	1.60	1.54	1.50	1.48	1.47	1.48	1.50	1.53	1.57	1.60	1.62	1.64	1.54
U. S.	1.68	1.65	1.61	1.60	1.60	1.58	1.64	1.72	1.79	1.85	1.86	1.83	1.70

1/ Pounds of concentrate ration equal in value to 1 pound of whole milk sold by farmers to plants and dealers. Obtained by dividing the price per 100 pounds received by farmers for milk (as published in the report, Agricultural Prices) by the value per 100 pounds of concentrate ration fed to milk cows.

Milk-feed price ratios, by States and months, 1969 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
D o l l a r s													
Maine	1.72	1.71	1.69	1.66	1.67	1.63	1.73	1.78	1.82	1.88	1.88	1.83	1.75
N. H.	1.75	1.71	1.66	1.61	1.59	1.55	1.69	1.78	1.87	1.89	1.85	1.81	1.73
Vt.	1.66	1.62	1.59	1.57	1.53	1.49	1.63	1.73	1.80	1.83	1.79	1.79	1.67
Mass.	1.79	1.79	1.76	1.74	1.72	1.64	1.76	1.85	1.91	1.95	1.91	1.90	1.81
R. I.	1.80	1.80	1.76	1.74	1.68	1.61	1.71	1.79	1.86	1.88	1.86	1.85	1.78
Conn.	1.82	1.83	1.79	1.77	1.75	1.70	1.81	1.87	1.96	1.99	1.95	1.91	1.85
N. Y.	1.61	1.58	1.52	1.47	1.42	1.39	1.53	1.62	1.71	1.73	1.71	1.64	1.58
N. J.	1.69	1.66	1.60	1.55	1.48	1.45	1.55	1.66	1.74	1.79	1.77	1.72	1.64
Pa.	1.77	1.74	1.71	1.66	1.61	1.56	1.63	1.68	1.76	1.80	1.84	1.83	1.72
Ohio	1.98	1.91	1.86	1.79	1.73	1.67	1.68	1.76	1.90	1.96	2.00	2.00	1.85
Ind.	2.01	1.96	1.92	1.82	1.76	1.72	1.72	1.82	1.99	2.05	2.04	2.03	1.90
Ill.	2.01	1.94	1.84	1.78	1.78	1.78	1.80	1.86	1.96	2.05	2.10	2.11	1.92
Mich.	2.04	2.04	2.01	2.05	1.97	1.85	1.83	1.84	1.90	1.96	1.95	1.95	1.95
Wis.	1.60	1.55	1.55	1.52	1.51	1.51	1.51	1.52	1.60	1.67	1.71	1.71	1.58
Minn.	1.64	1.60	1.62	1.63	1.59	1.59	1.58	1.63	1.68	1.72	1.72	1.74	1.64
Iowa	1.91	1.83	1.84	1.81	1.76	1.71	1.73	1.78	1.85	1.93	1.98	1.99	1.84
Mo.	1.77	1.75	1.71	1.60	1.56	1.57	1.59	1.61	1.72	1.79	1.85	1.84	1.70
N. Dak.	2.37	2.28	2.27	2.23	2.19	2.19	2.22	2.29	2.42	2.47	2.53	2.48	2.33
S. Dak.	2.00	1.96	1.92	1.90	1.90	1.91	1.93	1.98	2.06	2.16	2.16	2.17	2.00
Nebr.	1.94	1.91	1.89	1.74	1.67	1.69	1.78	1.82	1.97	2.11	2.15	2.07	1.90
Kans.	2.15	2.08	2.05	1.96	1.95	1.91	1.92	1.95	2.06	2.18	2.21	2.27	2.06
Del.	1.87	1.84	1.78	1.75	1.70	1.67	1.69	1.69	1.79	1.89	1.90	1.88	1.79
Md.	1.81	1.78	1.75	1.71	1.67	1.63	1.64	1.62	1.73	1.80	1.84	1.84	1.74
Va.	1.74	1.72	1.68	1.61	1.56	1.53	1.54	1.56	1.64	1.72	1.77	1.77	1.65
W. Va.	1.69	1.64	1.64	1.56	1.48	1.45	1.46	1.47	1.57	1.66	1.71	1.72	1.59
N. C.	1.91	1.98	1.96	1.86	1.85	1.78	1.83	1.80	1.95	1.98	1.98	1.93	1.90
S. C.	2.09	2.00	1.95	1.84	1.86	1.83	1.88	1.87	1.96	1.98	2.02	1.96	1.94
Ga.	1.95	1.89	1.79	1.87	1.83	1.79	1.82	1.94	2.00	2.00	1.95	1.92	1.90
Fla.	2.48	2.47	2.48	2.38	2.36	2.33	2.37	2.40	2.46	2.50	2.50	2.48	2.43
Ky.	1.71	1.62	1.58	1.44	1.40	1.37	1.37	1.46	1.62	1.75	1.82	1.83	1.58
Tenn.	1.76	1.70	1.67	1.54	1.52	1.49	1.50	1.54	1.65	1.71	1.76	1.74	1.63
Ala.	2.01	2.02	1.93	1.91	1.90	1.90	1.90	1.92	1.95	2.00	2.02	2.00	1.96
Miss.	1.88	1.85	1.83	1.81	1.79	1.73	1.72	1.70	1.83	1.91	1.92	1.88	1.82
Ark.	1.84	1.81	1.74	1.63	1.60	1.62	1.65	1.67	1.76	1.83	1.88	1.90	1.74
La.	1.97	1.94	1.90	1.83	1.92	1.90	1.92	1.91	2.09	2.10	2.06	2.03	1.96
Okla.	2.04	1.97	1.91	1.82	1.80	1.79	1.88	1.92	1.99	2.04	2.06	2.05	1.94
Texas	2.18	2.17	2.16	2.11	2.08	2.05	2.04	2.06	2.10	2.16	2.18	2.21	2.12
Mont.	2.28	2.23	2.19	2.11	2.05	2.01	2.10	2.20	2.25	2.42	2.35	2.46	2.22
Idaho	1.72	1.69	1.66	1.64	1.58	1.56	1.58	1.61	1.65	1.71	1.75	1.77	1.66
Wyo.	2.10	2.05	1.98	1.92	1.85	1.79	1.80	1.83	1.91	2.03	2.07	2.07	1.95
Colo.	2.19	2.14	2.07	2.02	1.95	1.91	1.92	1.96	2.09	2.17	2.19	2.20	2.07
N. Mex.	2.00	1.97	1.97	1.92	1.85	1.75	1.82	1.84	1.91	1.97	1.98	2.02	1.92
Ariz.	1.97	1.95	1.90	1.80	1.79	1.81	1.89	1.95	1.99	2.08	2.07	2.06	1.94
Utah	1.84	1.82	1.73	1.69	1.64	1.58	1.60	1.64	1.75	1.84	1.86	1.91	1.74
Nev.	1.81	1.77	1.73	1.65	1.60	1.54	1.55	1.61	1.67	1.74	1.79	1.78	1.69
Wash.	1.70	1.78	1.77	1.74	1.69	1.68	1.65	1.69	1.78	1.79	1.80	1.79	1.74
Oreg.	1.71	1.65	1.63	1.56	1.51	1.52	1.53	1.57	1.67	1.74	1.79	1.78	1.64
Calif.	1.65	1.65	1.61	1.55	1.51	1.52	1.51	1.56	1.62	1.66	1.68	1.65	1.60
U. S.	1.79	1.75	1.72	1.67	1.63	1.60	1.64	1.69	1.79	1.84	1.86	1.85	1.74

See footnote 1/ on page 12.



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