

MILK PRODUCTION

APRIL 1969

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April milk production 2 percent below a year earlier

U. S. milk production in April is estimated at 10,261 million pounds, 2 percent less than a year earlier and the smallest April production since 1952. Daily average production for April was up 6 percent from March, the same seasonal gain as a year earlier. April output provided 1.69 pounds of milk per person daily for all uses, compared with 1.59 pounds in February and 1.74 pounds a year earlier. Daily average production during the first 4 months of 1969 was 1.6 percent less than a year earlier.

Milk production less in most States

Only 14 States reported April production above a year earlier, 11 were unchanged and all others were down. Production changes were mixed in the North Atlantic, South Central and Western States, and down in most States of the other regions.

April rate per cow up 1 percent from a year earlier

Milk output per cow averaged 807 pounds during April, 1 percent more than a year earlier. In some areas of the Midwest, farmers were unable to turn cows out to pastures because of wet, soft soil. Daily output in April averaged 26.9 pounds per cow, 6 percent more than in March, and the same increase as reported a year earlier. Production per cow was at record high levels for April in 37 States-- highest in California and Washington, both at 960 pounds. Minnesota and Arizona both had 925 pounds; New Jersey, 915 pounds; and Hawaii, 910 pounds.

Milk-feed price ratio continues at record high level

The April milk-feed price ratio of 1.68 was 5 percent above the previous record for April set in 1968. Seasonally, it was down 2 percent from March. The ratio had declined 1 percent a year earlier. Higher milk prices and slightly cheaper ration values caused the increase over April 1968. Regionally, the ratio was lowest in the North Atlantic and highest in the South Atlantic States.

Special in this issue:
CONCENTRATE RATIONS FED TO MILK COWS 1968, page 6.

May 1 Pastures Best Since 1958:

Good to excellent pasture condition prevailed throughout the Nation on May 1. The U.S. average, at 87 percent of normal, was the best condition reported for the date since 1958. April temperatures were generally normal or above, except for a section of the Far West. Precipitation was less than normal in the Southeast.

On May 1, reported pasture condition was 85 percent of normal or better in the North Atlantic, North Central and South Central States except in New Jersey. North Dakota reported 86 percent--exceeded only once in half a century of records. This State's only poor areas--on the Canadian border--resulted from an excess of water rather than dryness. May 1 condition of 90 percent in Kansas was 19 points above a year earlier and the best for the date since 1945.

All South Atlantic States except Florida reported condition at 83 percent or better on May 1. At 77 percent, Florida showed a 12-point improvement in April and a 20-point increase over a year earlier.

In the Western Region, only two States reported condition below 85 percent. May 1 condition was the best in nearly 40 years in Montana, and best in a decade for Idaho, Wyoming, and California. Colorado reported 75 percent--the lowest of any State, and New Mexico was a close second with 76 percent on May 1.

Table 1.--Milk per cow and milk production by months, United States

Month	Milk per cow			Milk production			
	1967	1968	1969	1967	1968	1969	Change from 1968
	-- Pounds --			-- Million pounds --			Percent
January	713	721	735	9,802	9,546	9,407	-1.5
February	667	698	689	9,150	9,207	8,795	-4.5
March	762	773	784	10,407	10,169	9,983	-1.8
April	784	797	807	10,675	10,457	10,261	-1.9
Jan.-Apr. Total ..	-	-	-	40,034	39,379	38,446	-2.4
May	837	858		11,360	11,227		
June	817	832		11,038	10,840		
July	767	785		10,326	10,201		
August	722	738		9,688	9,567		
September	681	699		9,114	9,035		
October	687	707		9,169	9,120		
November	660	678		8,781	8,721		
December	698	716		9,259	9,191		
Annual	8,797	9,006		118,769	117,281		

Table 2.--April milk per cow and milk production,
by States

State	Milk per cow 1/			Milk production			Change from 1968
	1967	1968	1969	1967	1968	1969	
	--- Pounds ---			--- Million pounds ---			Percent
Maine.....	725	735	755	52	51	51	0
New Hampshire.....	800	800	820	33	31	31	0
Vermont.....	765	795	825	163	167	172	+3
Massachusetts.....	870	860	895	64	60	60	0
Rhode Island.....	865	840	875	7.6	6.9	6.8	-1
Connecticut.....	850	840	885	60	57	58	+2
New York.....	890	880	890	956	921	903	-2
New Jersey.....	905	925	915	79	74	69	-7
Pennsylvania.....	860	830	845	643	606	613	+1
Ohio.....	830	820	820	416	391	381	-3
Indiana.....	830	840	880	231	214	214	0
Illinois.....	825	825	825	296	275	262	-5
Michigan.....	800	805	840	404	384	393	+2
Wisconsin.....	855	880	875	1,656	1,669	1,621	-3
Minnesota.....	910	950	925	1,004	1,011	952	-6
Iowa.....	780	790	805	480	456	433	-5
Missouri.....	680	695	705	273	265	261	-2
North Dakota.....	665	690	685	117	109	101	-7
South Dakota.....	705	735	730	149	151	143	-5
Nebraska.....	680	690	690	154	148	140	-5
Kansas.....	705	720	740	157	154	152	-1
Delaware.....	750	760	780	12.8	12.2	11.7	-4
Maryland.....	740	740	760	130	127	128	+1
Virginia.....	600	640	650	146	148	147	-1
West Virginia.....	530	545	560	39	37	35	-5
North Carolina.....	635	650	660	128	126	126	0
South Carolina.....	610	635	645	46	46	46	0
Georgia.....	620	660	685	90	92	95	+3
Florida.....	760	770	755	139	140	137	-2
Kentucky.....	600	595	615	229	220	218	-1
Tennessee.....	560	575	605	197	191	191	0
Alabama.....	480	495	515	73	71	72	+1
Mississippi.....	455	460	475	102	97	96	-1
Arkansas.....	555	570	610	61	59	60	+2
Louisiana.....	500	510	555	95	93	97	+4
Oklahoma.....	730	730	745	117	114	114	0
Texas.....	695	720	755	268	269	255	-5
Montana.....	615	640	670	32	30	29	-3
Idaho.....	815	800	795	129	125	125	0
Wyoming.....	670	680	690	13.7	13.4	13.1	-2
Colorado.....	725	720	755	71	71	76	+7
New Mexico.....	660	685	705	25	26	26	0
Arizona.....	950	925	925	49	47	48	+2
Utah.....	840	850	870	65	64	67	+5
Nevada.....	860	845	845	11.5	11.5	11.7	+2
Washington.....	890	920	960	174	171	173	+1
Oregon.....	745	775	780	87	88	86	-2
California.....	945	965	960	737	754	748	-1
Alaska.....	770	770	825	1.54	1.46	1.40	-4
Hawaii.....	865	830	910	12.2	11.4	11.4	0
United States.....	784	797	807	10,675	10,457	10,261	-1.9

1/ Monthly rate based on all milk cows on farms (in milk or dry).

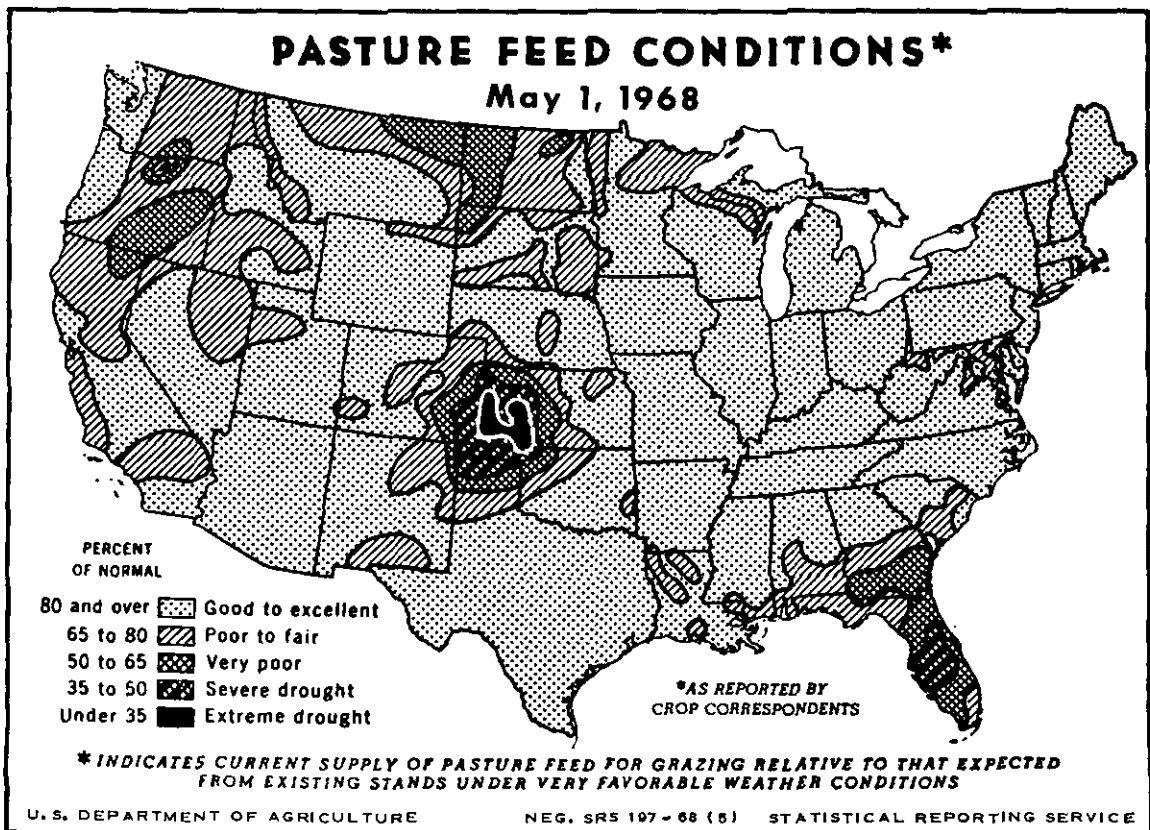
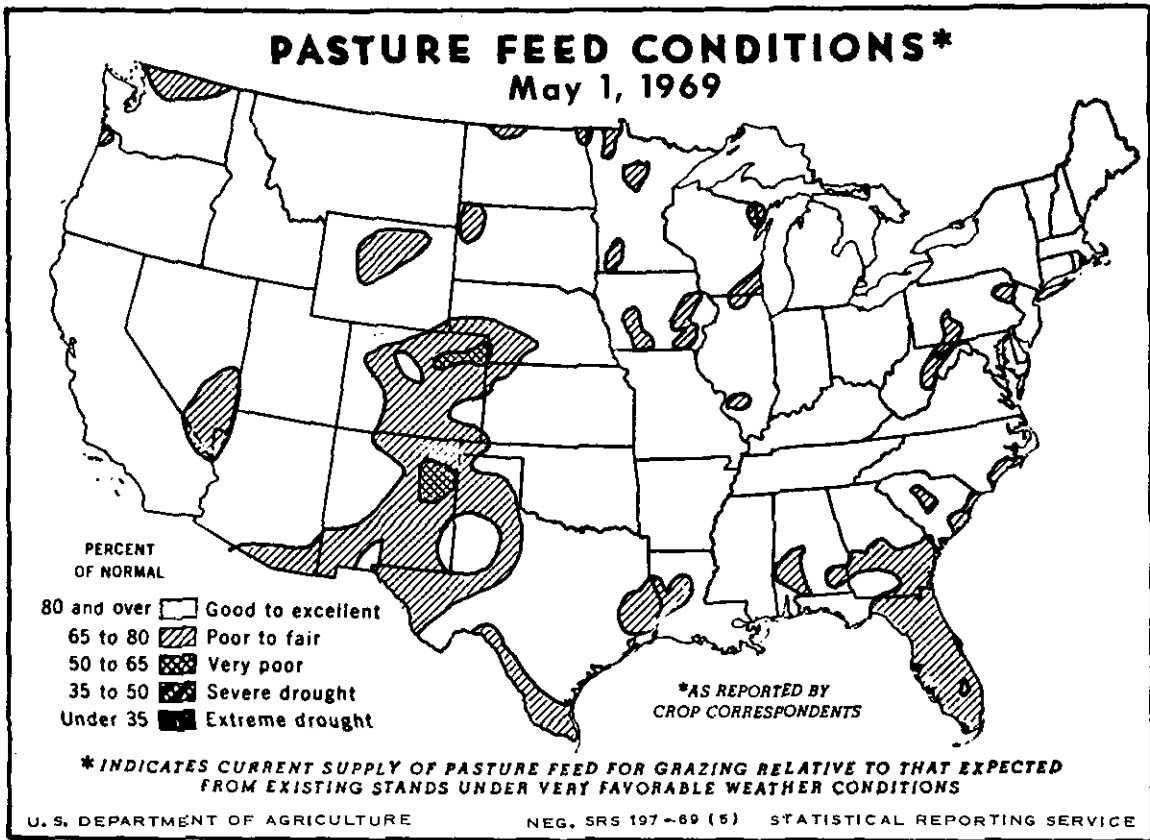
Table 3.-Milk-feed price ratios, milk prices, and ration value, by regions

Region	Milk-feed price ratio 2/			All milk price per cwt.			Ration value 3/		
	Apr. 1968	Mar. 1969	Apr. 1969	Apr. 1968	Mar. 1969	Apr. 1969	Apr. 1968	Mar. 1969	Apr. 1969
	-- Pounds --			-- Dollars --					
N. Atl.	1.47	1.61	1.55	5.35	5.86	5.64	3.65	3.63	3.63
E. N. Cent. ..	1.66	1.74	1.69	4.80	5.04	4.94	2.90	2.90	2.93
W. N. Cent. ..	1.65	1.76	1.73	4.38	4.58	4.53	2.66	2.60	2.62
S. Atl.	1.77	1.94	1.89	6.19	6.66	6.46	3.49	3.43	3.41
S. Cent.	1.66	1.85	1.77	5.52	6.10	5.79	3.32	3.29	3.27
West.	1.55	1.64	1.63	5.04	5.20	5.16	3.25	3.17	3.17
U. S.	1.60	1.72	1.68	5.03	5.35	5.22	3.14	3.11	3.11

1/ Data for current month are preliminary. 2/ Pounds of concentrate ration equal in value to 1 pound wholesale milk. 3/ Value per 100 pounds of concentrate ration feed to milk cows.

Table 4.-May 1 pasture feed condition as percentage of normal, by States

State and division	1967	1968	1969	State and division	1967	1968	1969
	-- Percent --				-- Percent --		
Me.	78	94	87	N. C.	80	90	91
N. H.	74	95	90	S. C.	73	84	87
Vt.	84	94	88	Ga.	67	79	84
Mass.	78	92	88	Fla.	54	57	77
R. I.	84	90	90	S. Atl. ..	70	77	84
Conn.	81	90	88	Ky.	92	93	89
N. Y.	88	89	91	Tenn.	81	90	88
N. J.	85	82	82	Ala.	74	83	87
Pa.	86	86	87	Miss.	88	85	86
N. Atl.	86	89	89	Ark.	91	89	90
Ohio.	90	90	89	La.	83	83	85
Ind.	91	89	90	Okla.	73	82	90
Ill.	93	91	90	Tex.	64	88	85
Mich.	91	93	90	S. Cent. ..	77	87	87
Wis.	88	88	89	Mont.	83	77	92
E. N. Cent. .	91	90	90	Idaho.	86	80	92
Minn.	83	84	88	Wyo.	80	86	89
Iowa.	89	89	85	Colo.	66	74	75
Mo.	89	90	89	N. Mex.	48	82	76
N. Dak.	78	70	86	Ariz.	70	93	87
S. Dak.	74	78	85	Utah.	80	89	91
Nebr.	72	84	85	Nev.	72	80	86
Kans.	72	71	90	Wash.	82	81	85
W. N. Cent. .	84	85	87	Oreg.	84	81	88
Del.	87	88	92	Calif.	89	77	92
Md.	82	83	84	West.	79	80	87
Va.	81	89	88	U. S.	81	85	87
W. Va.	80	85	83				



GRAIN AND OTHER CONCENTRATES FED TO MILK COWS, 1968

Feeding rates up in 1968

The quantity of grain and other concentrates fed to milk cows increased slightly in 1968 despite a 4 percent decrease in the number of milk cows. Tonnage fed in 1968 was 22.9 million--0.4 percent above a year earlier. Farmers fed 3,519 pounds of grain and concentrates per milk cow--4 percent above 1967. Feeding rates per cow ranged from 3,271 pounds in the South Central Region to 3,726 pounds in the South Atlantic. On a State basis, the highest feeding rate was in Florida, followed by Connecticut, Oklahoma, and Texas. Grain and concentrates fed per 100 pounds of milk produced was 39.1 pounds, exceeding the 1967 rate by 2 percent. This rate ranged from 32.7 pounds in the West to 48.4 pounds in the South Central. By States, Florida fed the most grain and concentrate per 100 pounds of milk, followed by Louisiana, Mississippi, Arkansas, and Alabama.

Corn and commercial feed most important

Corn continued as the leading concentrate fed to milk cows in 1968 but commercially mixed feed was only slightly lower. The percentage of corn was 37.4 while commercially mixed feeds represented 36.6 percent of the total concentrate ration. The proportion of corn used in rations has continued about the same in recent years while commercially mixed feed has been increasing. Together, these two feeds represented about three-fourths of the concentrates fed in 1968. Corn was the most important feed in the East and West North Central Regions while commercial mixes led in all other regions. Oats represented 12 percent of the U. S. ration and about one-fifth of the ration in the North Central Region. Each of the other feeds represented less than 5 percent of the national total, although some were important on a State or Regional basis. Home grown grains represented 40.8 percent of the total concentrate ration fed to milk cows in 1968, compared with 40.5 percent in 1967.

Value of concentrate ration

The average value of concentrate ration fed to milk cows is estimated at \$3.10 per 100 pounds in 1968. This is a 12¢ decrease from a year earlier. Seasonally, the U. S. ration value ranged from \$3.14 during the first 4 months of 1968 to a low of \$3.04 during October. Average ration value for 1968 was highest in the North Atlantic Region and lowest in the West North Central, where home-grown grain represents a large percentage of the total.

Milk-feed price ratio highest of record in 1968

The 1968 milk-feed price ratio averaged 1.70, up 9 percent from 1967 because of higher milk prices and lower ration values. The ratio was at record high levels in all months of 1968. Regionally, the annual average varied from 1.61 in the North Atlantic to 1.87 in the South Atlantic.

Table 5.-Quantity and value of grain and other concentrates fed to milk cows, by States, 1968 ^{1/}

State and division	Annual quantity fed to milk cows			Annual average value of feed per 100 lb.	Annual average feed value per 100 lb. of milk
	Total	Per cow	Per 100 lb. of milk		
	1,000 tons	Pounds		Dollars	
Maine	116	3,380	39	3.89	1.52
N. H.	68	3,510	38	3.81	1.45
Vt.	338	3,230	36	3.74	1.35
Mass.	139	4,030	40	3.80	1.52
R. I.	16	4,050	41	3.76	1.54
Conn.	140	4,160	41	3.77	1.55
N. Y.	1,787	3,440	35	3.64	1.27
N. J.	158	4,000	39	3.69	1.44
Pa.	1,452	3,990	42	3.49	1.47
N. Atl.	4,214	3,654	37.9	3.62	1.37
Ohio	902	3,800	40	3.02	1.21
Ind.	475	3,700	39	2.86	1.12
Ill.	606	3,670	39	2.53	.99
Mich.	894	3,780	39	2.75	1.07
Wis.	3,274	3,470	36	2.97	1.07
E. N. Cent. ..	6,151	3,600	37.4	2.89	1.08
Minn.	1,898	3,590	37	2.69	1.06
Iowa	1,061	3,730	41	2.45	1.00
Mo.	658	3,460	43	2.94	1.26
N. Dak.	220	2,830	38	1.88	.71
S. Dak.	312	3,090	38	2.31	.88
Nebr.	324	3,080	39	2.52	.98
Kans.	344	3,240	40	2.64	1.06
W. N. Cent. ..	4,817	3,457	39.0	2.59	1.01
Del.	29	3,840	43	3.52	1.51
Md.	318	3,740	42	3.53	1.48
Va.	335	2,900	38	3.67	1.39
W. Va.	74	2,220	35	3.78	1.32
N. C.	310	3,210	42	3.57	1.50
S. C.	121	3,360	47	3.46	1.63
Ga.	260	3,740	50	3.52	1.76
Fla.	544	5,980	70	3.08	2.16
S. Atl.	1,991	3,726	47.3	3.44	1.63
Ky.	540	2,940	43	3.21	1.38
Tenn.	487	2,960	46	3.37	1.55
Ala.	206	2,880	51	3.36	1.71
Miss.	284	2,720	52	3.39	1.76
Ark.	176	3,440	51	3.30	1.68
La.	268	2,980	52	3.51	1.83
Okla.	321	4,140	50	3.07	1.54
Texas	744	4,080	50	3.18	1.59
S. Cent.	3,026	3,271	48.4	3.27	1.58
Mont.	55	2,400	31	2.58	.80
Idaho	204	2,610	28	2.72	.76
Wyo.	22	2,190	27	2.68	.72
Colo.	160	3,240	38	2.89	1.10
N. Mex.	52	2,740	33	3.20	1.06
Ariz.	92	3,580	33	3.28	1.08
Utah	118	3,140	31	2.91	.90
Nev.	22	3,210	32	3.32	1.06
Wash.	293	3,150	30	3.35	1.00
Oreg.	146	2,580	30	3.43	1.03
Calif.	1,523	3,900	34	3.25	1.10
West	2,687	3,404	32.7	3.18	1.04
U. S.	22,886	3,519	39.1	3.09	1.21

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

Table 6.-Individual feeds as percentage of the total concentrate ration fed to milk cows by dairy reporters, by States, 1968 1/

State and division	Grains					Cottonseed meal	Soybean meal	Wheat bran, shorts	Dried beet pulp	Dried citrus pulp	Commercial mixed feed	Misc. other
	Corn	Oats	Barley	Wheat	Sorghum							
	----- Percent -----											
Maine	2	1	-	-	-	-	-	-	1	1	95	-
N. H.	1	1	-	-	-	-	-	-	-	2	94	2
Vt.	2	1	-	-	-	-	-	-	1	1	93	2
Mass.	-	-	-	-	-	-	-	-	3	4	92	1
R. I.	-	-	-	-	-	-	-	-	5	3	91	1
Conn.	2	-	-	-	-	-	-	-	5	5	86	2
N. Y.	17	8	-	1	-	-	2	1	-	-	65	6
N. J.	22	3	4	1	-	-	2	-	-	-	65	3
Pa.	40	11	4	-	-	-	5	2	1	-	32	5
N. Atl.	22.1	7.4	1.5	.5	-	-	2.6	1.1	.7	.5	58.9	4.7
Ohio	68	12	1	2	-	-	4	1	-	-	11	1
Ind.	73	9	1	-	-	-	5	-	-	-	11	1
Ill.	72	11	-	1	-	-	3	1	-	-	10	2
Mich.	64	22	1	3	-	-	3	-	-	-	6	1
Wis.	54	26	1	-	-	-	2	2	1	-	9	5
E. N. Cent.	60.8	20.6	.9	.8	-	-	2.8	1.3	.5	-	9.1	3.2
Miss.	57	30	-	-	-	-	2	2	-	-	8	1
Iowa	73	15	-	-	-	-	2	-	-	-	10	-
Mo.	47	3	1	-	3	-	2	3	-	-	40	1
N. Dak.	7	71	10	1	-	-	1	-	-	-	8	2
S. Dak.	39	39	8	-	2	-	1	-	-	-	10	1
Nebr.	53	5	-	-	17	-	2	1	-	-	21	1
Kans.	17	2	4	2	51	-	6	4	-	-	13	1
W. N. Cent.	52.5	21.8	1.4	.2	5.3	-	2.2	1.6	-	-	14.2	.8
Del.	35	4	11	-	-	-	3	-	-	-	45	2
Md.	44	6	11	-	-	1	7	2	-	1	26	2
Va.	32	3	6	-	1	1	4	1	-	-	45	7
W. Va.	37	7	5	-	-	-	3	-	-	-	46	2
N. C.	34	3	1	-	-	2	8	1	-	-	50	1
S. C.	33	4	2	-	-	3	4	-	-	3	51	-
Ge.	22	1	-	-	-	3	3	1	-	7	62	1
Fla.	10	-	-	-	-	2	2	2	-	19	64	1
S. Atl.	27.2	2.6	3.4	-	.2	1.8	4.4	1.3	-	6.4	50.5	2.2
Ky.	68	2	1	-	-	1	2	1	-	-	24	1
Tenn.	28	2	-	-	-	1	1	1	-	-	66	1
Ala.	33	2	-	-	-	4	5	1	-	2	53	-
Miss.	27	1	-	-	-	3	2	1	-	-	60	6
Ark.	6	-	-	-	2	1	1	3	-	-	87	-
La.	12	1	-	-	2	2	3	2	-	-	77	1
Okla.	5	5	10	-	22	4	3	3	-	-	44	4
Texas	5	4	-	-	30	4	1	3	-	-	50	3
S. Cent.	24.6	2.5	1.3	-	10.0	2.5	1.9	1.9	-	.1	53.0	2.2
Mont.	-	13	40	1	-	-	-	2	3	-	37	4
Idaho	5	8	36	4	-	-	-	1	6	-	23	17
Wyo.	-	9	62	5	-	-	-	-	1	-	23	-
Colo.	21	2	12	5	4	-	-	1	4	-	49	2
N. Mex.	2	2	4	-	30	-	-	2	-	-	52	8
Ariz.	1	-	15	-	6	-	-	2	3	-	72	1
Utah	3	1	51	4	-	-	-	1	8	-	32	-
Nev.	-	-	31	1	-	-	-	-	-	-	68	-
Wash.	-	2	2	-	-	-	-	2	2	-	88	4
Oreg.	1	4	4	1	-	-	-	-	-	-	88	2
Calif.	1	-	3	-	1	-	1	1	1	-	90	2
West.	2.4	1.6	10.0	.9	1.6	-	.6	1.1	2.0	-	76.4	3.4
U. S.	37.4	12.2	2.4	.5	2.6	.5	2.4	1.4	.5	.7	36.6	2.8

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

Table 7.-Home-grown feed as percentage of total for kinds fed to milk cows by dairy reporters, by States, 1967 and 1968 1/

State and division	Total concentrate ration		Corn		Oats		Barley	
	1967	1968	1967	1968	1967	1968	1967	1968
	----- Percent -----							
Maine	-	-	-	-	-	30	--	-
N. H.	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	25	22	-	-
Mass.	-	-	-	-	-	-	-	-
R. I.	-	-	-	-	-	-	-	-
Conn.	-	-	18	10	-	-	-	-
N. Y.	17	18	56	58	81	89	86	-
N. J.	23	24	77	82	34	62	91	79
Pa.	30	48	62	85	67	78	87	92
N. Atl.	18.0	25.1	60.2	75.0	73.2	81.8	87.2	90.8
Ohio	64	68	78	81	88	86	-	89
Ind.	71	70	84	85	82	74	-	100
Ill.	75	75	89	90	86	84	-	-
Mich.	69	73	75	80	84	84	64	69
Wis.	63	58	72	66	83	82	72	75
E. N. Cent.	65.7	64.1	76.7	75.2	83.7	82.5	70.3	78.3
Minn.	77	78	90	88	89	91	-	-
Iowa	77	75	85	86	87	84	-	-
Mo.	33	34	66	62	56	73	-	56
N. Dak.	81	70	65	70	85	78	87	88
S. Dak.	73	66	78	76	80	78	60	55
Nebr.	68	58	84	79	86	76	-	-
Kans.	47	45	61	51	46	45	34	32
W. N. Cent.	68.2	66.5	83.9	82.1	86.0	85.6	69.0	61.3
Del.	37	36	70	75	80	79	60	60
Md.	38	46	59	75	48	57	69	80
Va.	26	27	43	50	70	79	89	91
W. Va.	20	22	40	43	40	41	62	70
N. C.	19	21	48	53	72	70	65	70
S. C.	21	20	52	50	65	60	85	77
Ga.	13	11	47	43	86	65	-	-
Fla.	2	2	25	25	-	-	-	-
S. Atl.	18.4	19.8	47.5	53.9	62.8	63.0	74.6	81.3
Ky.	43	50	67	70	55	58	59	91
Tenn.	24	19	68	63	75	71	-	-
Ala.	11	12	28	35	23	30	-	-
Miss.	17	17	61	57	35	38	-	-
Ark.	4	2	25	28	30	-	-	-
La.	2	3	18	22	20	20	-	-
Okla.	13	13	19	20	31	29	32	48
Texas	3	6	12	8	20	25	-	-
S. Cent.	16.4	17.8	56.9	57.3	35.4	37.1	38.6	54.1
Mont.	27	22	-	-	44	58	45	34
Idaho	46	45	82	79	78	76	49	59
Wyo.	34	37	-	-	50	60	45	46
Colo.	15	16	46	32	42	44	23	48
N. Mex.	4	5	44	36	-	-	-	40
Ariz.	10	9	-	-	-	-	51	46
Utah	30	29	50	7	63	60	51	51
Nev.	19	19	-	-	-	-	60	58
Wash.	3	3	-	-	48	66	30	29
Oreg.	7	5	-	46	50	50	50	38
Calif.	1	-	18	15	-	-	6	5
West.	8.5	7.2	35.1	34.1	57.6	62.7	38.7	42.6
U. S.	40.5	40.8	73.9	74.0	80.7	81.7	56.7	59.3

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.

Table 8.--Value per 100 pounds of concentrate ration fed to milk cows, by States and months, 1967 ^{1/} _{2/}

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	D o l l a r s												
Maine	4.16	4.16	4.12	4.04	3.96	3.94	3.92	3.88	3.86	3.88	3.96	4.00	3.99
N. H.	4.04	4.00	3.98	3.96	3.88	3.88	3.86	3.84	3.82	3.84	3.86	3.88	3.90
Vt.	4.04	4.04	4.02	4.00	3.96	3.92	3.88	3.84	3.82	3.80	3.80	3.82	3.91
Mass.	4.04	4.00	3.96	3.94	3.90	3.88	3.84	3.80	3.78	3.80	3.82	3.84	3.88
R. I.	4.04	4.02	4.00	3.98	3.96	3.92	3.88	3.84	3.84	3.86	3.86	3.86	3.92
Conn.	4.12	4.12	4.04	4.00	3.92	3.90	3.88	3.86	3.84	3.82	3.82	3.84	3.93
N. Y.	3.92	3.92	3.88	3.86	3.82	3.80	3.76	3.72	3.70	3.68	3.68	3.70	3.79
N. J.	4.00	3.98	3.96	3.92	3.88	3.84	3.82	3.80	3.76	3.74	3.74	3.76	3.85
Pa.	3.78	3.78	3.76	3.76	3.74	3.73	3.71	3.70	3.69	3.66	3.59	3.53	3.70
N. Atl.	3.91	3.90	3.87	3.86	3.82	3.80	3.77	3.74	3.72	3.70	3.68	3.68	3.79
Ohio	3.16	3.18	3.19	3.19	3.18	3.16	3.14	3.10	3.04	2.98	2.96	3.00	3.11
Ind.	3.08	3.12	3.08	3.04	3.02	2.98	2.96	2.90	2.86	2.82	2.80	2.86	2.96
Ill.	2.96	2.94	2.90	2.88	2.84	2.80	2.78	2.76	2.74	2.70	2.66	2.68	2.80
Mich.	3.18	3.16	3.14	3.12	3.10	3.08	3.06	3.04	3.02	3.00	2.98	2.98	3.07
Wis.	3.02	3.06	3.08	3.08	3.08	3.08	3.08	3.06	3.04	3.02	3.00	3.00	3.05
E. N. Cent.	3.06	3.08	3.09	3.08	3.07	3.06	3.05	3.02	2.99	2.96	2.94	2.95	3.03
Minn.	2.78	2.82	2.82	2.81	2.80	2.77	2.73	2.69	2.68	2.68	2.68	2.68	2.74
Iowa	2.66	2.64	2.62	2.60	2.58	2.56	2.54	2.50	2.46	2.42	2.36	2.40	2.53
Mo.	3.08	3.10	3.10	3.10	3.08	3.06	3.05	3.00	2.96	2.92	2.89	2.91	3.02
N. Dak.	1.96	1.96	1.96	1.94	1.94	1.94	1.94	1.94	1.93	1.92	1.92	1.96	1.94
S. Dak.	2.36	2.38	2.40	2.42	2.44	2.46	2.44	2.38	2.36	2.34	2.32	2.34	2.39
Nebr.	2.64	2.68	2.72	2.74	2.74	2.74	2.74	2.72	2.64	2.56	2.48	2.54	2.66
Kans.	2.75	2.76	2.77	2.78	2.80	2.82	2.82	2.78	2.72	2.66	2.60	2.64	2.74
W. N. Cent.	2.72	2.73	2.73	2.73	2.72	2.70	2.68	2.64	2.61	2.59	2.56	2.58	2.67
Del.	3.76	3.76	3.74	3.72	3.70	3.68	3.68	3.66	3.64	3.60	3.60	3.58	3.68
Md.	3.76	3.74	3.72	3.70	3.70	3.68	3.68	3.66	3.64	3.62	3.60	3.64	3.68
Va.	3.80	3.84	3.84	3.84	3.82	3.80	3.80	3.78	3.76	3.72	3.68	3.70	3.78
W. Va.	4.00	4.04	4.00	3.92	3.88	3.86	3.84	3.80	3.78	3.76	3.76	3.78	3.87
N. C.	3.80	3.80	3.76	3.72	3.68	3.68	3.68	3.64	3.59	3.52	3.50	3.53	3.66
S. C.	3.70	3.74	3.72	3.72	3.70	3.70	3.68	3.66	3.62	3.58	3.52	3.52	3.66
Ge.	3.76	3.80	3.78	3.76	3.72	3.68	3.66	3.64	3.60	3.58	3.52	3.54	3.67
Fla.	3.46	3.50	3.50	3.50	3.49	3.48	3.46	3.44	3.44	3.43	3.42	3.41	3.46
S. Atl.	3.70	3.72	3.71	3.69	3.67	3.65	3.64	3.62	3.60	3.57	3.54	3.55	3.64
Ky.	3.48	3.50	3.50	3.48	3.44	3.42	3.40	3.38	3.34	3.32	3.28	3.30	3.40
Tenn.	3.48	3.54	3.54	3.52	3.52	3.52	3.52	3.52	3.48	3.44	3.44	3.46	3.50
Ala.	3.60	3.58	3.56	3.52	3.50	3.52	3.52	3.48	3.44	3.40	3.34	3.36	3.48
Miss.	3.44	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.44	3.40	3.36	3.40	3.45
Ark.	3.40	3.40	3.40	3.40	3.38	3.38	3.38	3.36	3.32	3.31	3.30	3.28	3.36
La.	3.64	3.62	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
Okla.	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.16	3.12	3.10	3.08	3.10	3.15
Texas	3.30	3.30	3.28	3.26	3.26	3.26	3.24	3.24	3.22	3.22	3.18	3.20	3.25
S. Cent. ...	3.42	3.43	3.42	3.41	3.40	3.40	3.39	3.38	3.35	3.33	3.30	3.32	3.38
Mont.	2.60	2.62	2.62	2.62	2.62	2.62	2.64	2.64	2.62	2.60	2.62	2.64	2.62
Idaho	2.78	2.82	2.86	2.90	2.92	2.92	2.90	2.90	2.86	2.80	2.76	2.74	2.85
Wyo.	2.74	2.76	2.78	2.80	2.82	2.82	2.84	2.80	2.76	2.72	2.70	2.72	2.77
Colo.	3.02	3.06	3.10	3.14	3.16	3.18	3.18	3.16	3.08	2.92	2.84	2.86	3.06
N. Mex.	3.40	3.38	3.36	3.35	3.36	3.38	3.40	3.34	3.28	3.24	3.20	3.22	3.33
Ariz.	3.56	3.52	3.53	3.53	3.52	3.50	3.48	3.46	3.44	3.42	3.40	3.40	3.48
Utah	3.10	3.10	3.06	3.04	3.02	3.02	3.00	2.98	2.94	2.90	2.88	2.90	3.00
Nev.	3.40	3.40	3.40	3.40	3.40	3.38	3.36	3.34	3.32	3.32	3.32	3.33	3.36
Wash.	3.44	3.42	3.46	3.46	3.46	3.45	3.44	3.43	3.42	3.40	3.38	3.37	3.43
Oreg.	3.60	3.60	3.60	3.62	3.64	3.60	3.60	3.55	3.55	3.52	3.50	3.48	3.57
Calif.	3.40	3.44	3.44	3.40	3.37	3.34	3.33	3.30	3.30	3.30	3.30	3.30	3.35
West.	3.31	3.34	3.35	3.33	3.31	3.30	3.29	3.26	3.25	3.23	3.21	3.21	3.28
U. S.	3.28	3.29	3.28	3.27	3.26	3.24	3.23	3.20	3.17	3.15	3.12	3.14	3.22

^{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.

^{2/} Revised.

Table 9.--Value per 100 pounds of concentrate ration fed to milk cows, by States and months, 1968 1/

State and division	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
N. Atl. ...	3.67	3.68	3.67	3.65	3.64	3.61	3.59	3.56	3.57	3.59	3.61	3.61	3.62
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
E. N. Cent.	2.93	2.92	2.92	2.90	2.90	2.90	2.90	2.88	2.87	2.85	2.86	2.87	2.89
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
W. N. Cent.	2.60	2.61	2.63	2.66	2.67	2.66	2.61	2.58	2.54	2.51	2.51	2.55	2.59
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
S. Atl. ...	3.54	3.52	3.50	3.49	3.47	3.44	3.42	3.40	3.38	3.36	3.36	3.39	3.44
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
S. Cent. ...	3.33	3.34	3.33	3.32	3.29	3.28	3.27	3.24	3.21	3.20	3.21	3.24	3.27
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
West.	3.21	3.23	3.25	3.25	3.23	3.20	3.15	3.12	3.12	3.12	3.13	3.13	3.18
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

See footnote 1/ on page 10.

Table 10.--Milk-feed price ratios, by States and months, 1967 1/ 2/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
----- D o l l a r s -----													
Maine	1.48	1.48	1.43	1.39	1.44	1.41	1.48	1.56	1.62	1.65	1.63	1.56	1.51
N. H.	1.51	1.51	1.48	1.39	1.42	1.39	1.52	1.64	1.69	1.69	1.68	1.60	1.54
Vt.	1.41	1.41	1.36	1.26	1.26	1.24	1.38	1.52	1.57	1.62	1.61	1.53	1.43
Mass.	1.53	1.55	1.53	1.43	1.45	1.40	1.54	1.67	1.72	1.72	1.73	1.64	1.58
R. I.	1.53	1.53	1.51	1.41	1.40	1.38	1.52	1.65	1.69	1.70	1.71	1.65	1.56
Conn.	1.57	1.55	1.53	1.42	1.47	1.44	1.57	1.71	1.77	1.79	1.78	1.68	1.61
N. Y.	1.35	1.33	1.29	1.21	1.19	1.19	1.35	1.48	1.54	1.57	1.55	1.46	1.38
N. J.	1.42	1.40	1.38	1.29	1.31	1.29	1.43	1.53	1.61	1.63	1.61	1.57	1.46
Pa.	1.51	1.49	1.46	1.38	1.43	1.43	1.51	1.55	1.60	1.63	1.69	1.73	1.53
N. Atl. ...	1.42	1.41	1.38	1.29	1.30	1.29	1.42	1.53	1.58	1.61	1.62	1.57	1.45
Ohio	1.75	1.74	1.72	1.61	1.59	1.55	1.59	1.71	1.86	1.94	2.00	1.95	1.75
Ind.	1.70	1.70	1.69	1.58	1.57	1.54	1.59	1.74	1.94	2.00	2.07	2.01	1.76
Ill.	1.66	1.63	1.60	1.58	1.60	1.59	1.60	1.63	1.75	1.83	1.90	1.87	1.69
Mich.	1.67	1.69	1.70	1.65	1.66	1.61	1.65	1.69	1.75	1.80	1.85	1.85	1.71
Wis.	1.48	1.43	1.40	1.37	1.37	1.36	1.36	1.38	1.45	1.49	1.51	1.51	1.43
E. N. Cent.	1.58	1.55	1.52	1.48	1.48	1.45	1.47	1.52	1.63	1.67	1.71	1.69	1.56
Minn.	1.51	1.47	1.46	1.45	1.45	1.45	1.48	1.52	1.56	1.58	1.58	1.57	1.51
Iowa	1.67	1.64	1.62	1.60	1.61	1.58	1.61	1.65	1.72	1.79	1.87	1.85	1.68
Mo.	1.57	1.53	1.47	1.39	1.41	1.39	1.39	1.45	1.55	1.64	1.71	1.70	1.52
N. Dak.	2.17	2.14	2.12	2.11	2.09	2.01	2.01	2.09	2.15	2.21	2.21	2.14	2.12
S. Dak.	1.82	1.76	1.73	1.69	1.66	1.61	1.64	1.70	1.76	1.79	1.85	1.82	1.74
Nebr.	1.76	1.72	1.64	1.51	1.51	1.50	1.53	1.58	1.76	1.86	1.96	1.83	1.68
Kans.	1.87	1.83	1.77	1.65	1.66	1.63	1.65	1.69	1.82	1.97	2.02	1.99	1.80
W. N. Cent.	1.62	1.59	1.56	1.53	1.53	1.51	1.54	1.59	1.67	1.71	1.75	1.72	1.61
Del.	1.60	1.60	1.58	1.47	1.58	1.56	1.56	1.61	1.65	1.68	1.71	1.70	1.61
Md.	1.60	1.60	1.60	1.47	1.54	1.54	1.52	1.56	1.63	1.67	1.74	1.69	1.60
Va.	1.61	1.59	1.56	1.45	1.45	1.45	1.43	1.47	1.53	1.60	1.67	1.68	1.54
W. Va.	1.48	1.46	1.45	1.42	1.39	1.37	1.41	1.46	1.57	1.62	1.64	1.63	1.49
N. C.	1.74	1.74	1.72	1.67	1.71	1.65	1.66	1.69	1.82	1.88	1.91	1.86	1.75
S. C.	1.82	1.76	1.69	1.68	1.73	1.68	1.71	1.73	1.85	1.93	1.96	1.92	1.79
Ga.	1.80	1.74	1.68	1.68	1.73	1.70	1.69	1.73	1.83	1.84	1.89	1.81	1.76
Fla.	2.04	1.99	1.93	1.90	1.88	1.84	1.91	1.93	2.01	2.00	2.03	2.01	1.96
S. Atl. ...	1.75	1.73	1.69	1.62	1.65	1.62	1.63	1.66	1.75	1.79	1.84	1.81	1.71
Ky.	1.52	1.46	1.41	1.28	1.31	1.30	1.32	1.38	1.51	1.60	1.68	1.68	1.45
Tenn.	1.64	1.55	1.48	1.41	1.41	1.38	1.38	1.41	1.51	1.60	1.64	1.65	1.50
Ala.	1.69	1.66	1.70	1.73	1.77	1.78	1.76	1.81	1.89	1.93	1.96	1.93	1.80
Miss.	1.82	1.77	1.68	1.57	1.59	1.57	1.57	1.61	1.72	1.81	1.85	1.78	1.70
Ark.	1.69	1.65	1.50	1.50	1.48	1.46	1.46	1.52	1.70	1.74	1.82	1.81	1.61
La.	1.83	1.82	1.74	1.69	1.78	1.76	1.76	1.78	1.89	1.89	1.90	1.79	1.80
Okla.	1.75	1.67	1.64	1.54	1.56	1.54	1.56	1.63	1.81	1.77	1.82	1.81	1.68
Texas	1.94	1.91	1.77	1.73	1.73	1.72	1.74	1.79	1.94	1.97	2.04	2.00	1.86
S. Cent. ...	1.74	1.69	1.62	1.53	1.54	1.52	1.53	1.58	1.72	1.77	1.84	1.81	1.66
Mont.	2.00	1.95	1.93	1.87	1.81	1.77	1.80	1.89	1.97	2.02	2.04	2.03	1.92
Idaho	1.58	1.52	1.49	1.45	1.40	1.39	1.38	1.40	1.45	1.54	1.58	1.61	1.48
Wyo.	1.90	1.83	1.80	1.73	1.68	1.63	1.64	1.70	1.79	1.88	1.93	1.95	1.79
Colo.	1.97	1.90	1.79	1.74	1.71	1.68	1.68	1.76	1.88	2.02	2.11	2.10	1.86
N. Mex.	1.82	1.80	1.68	1.63	1.68	1.63	1.60	1.69	1.80	1.82	1.88	1.88	1.74
Ariz.	1.74	1.73	1.64	1.54	1.58	1.56	1.64	1.71	1.79	1.78	1.81	1.82	1.70
Utah	1.66	1.63	1.60	1.56	1.56	1.52	1.53	1.58	1.67	1.72	1.77	1.79	1.63
Nev.	1.75	1.68	1.60	1.59	1.57	1.52	1.59	1.62	1.66	1.72	1.75	1.79	1.65
Wash.	1.56	1.55	1.50	1.47	1.43	1.42	1.45	1.49	1.52	1.60	1.63	1.66	1.52
Oreg.	1.58	1.54	1.50	1.45	1.39	1.38	1.42	1.48	1.55	1.61	1.64	1.67	1.52
Calif.	1.49	1.46	1.42	1.43	1.39	1.40	1.39	1.42	1.45	1.49	1.51	1.59	1.45
West.	1.57	1.54	1.49	1.47	1.44	1.43	1.44	1.48	1.53	1.58	1.61	1.67	1.52
U. S.	1.58	1.55	1.52	1.46	1.46	1.44	1.48	1.55	1.64	1.68	1.72	1.69	1.56

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 rations fed to milk cows.

2/ Revised.

Table 11.-Milk-feed price ratios, by States and months, 1968 1/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Maine	1.56	1.55	1.54	1.50	1.54	1.53	1.64	1.71	1.75	1.84	1.82	1.72	1.64
N. H.	1.61	1.59	1.53	1.50	1.49	1.47	1.61	1.72	1.81	1.84	1.83	1.76	1.65
Vt.	1.58	1.55	1.49	1.44	1.42	1.40	1.54	1.65	1.74	1.79	1.77	1.68	1.59
Mass.	1.60	1.58	1.54	1.52	1.52	1.50	1.65	1.79	1.85	1.90	1.86	1.79	1.68
R. I.	1.65	1.65	1.59	1.57	1.56	1.52	1.68	1.79	1.84	1.87	1.86	1.79	1.70
Conn.	1.67	1.67	1.62	1.60	1.61	1.57	1.72	1.83	1.90	1.93	1.92	1.82	1.74
N. Y.	1.45	1.45	1.40	1.36	1.35	1.35	1.53	1.65	1.72	1.75	1.72	1.65	1.53
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.	1.67	1.64	1.61	1.61	1.62	1.59	1.66	1.75	1.79	1.82	1.84	1.80	1.70
N. Atl.	1.55	1.54	1.49	1.47	1.46	1.45	1.59	1.70	1.76	1.80	1.78	1.71	1.61
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.	1.87	1.87	1.84	1.77	1.75	1.75	1.78	1.88	2.00	2.09	2.11	2.07	1.90
Ill.	1.86	1.85	1.84	1.87	1.90	1.83	1.88	1.92	2.06	2.11	2.11	2.05	1.94
Mich.	1.92	1.97	1.98	1.99	1.99	1.91	1.95	2.00	2.02	2.07	2.13	2.09	2.00
Wis.	1.52	1.50	1.47	1.51	1.51	1.49	1.49	1.52	1.58	1.64	1.66	1.65	1.54
E. N. Cent.	1.69	1.67	1.65	1.66	1.65	1.62	1.64	1.69	1.77	1.83	1.85	1.83	1.71
Minn.	1.54	1.53	1.50	1.56	1.54	1.53	1.58	1.63	1.69	1.76	1.74	1.71	1.61
Iowa	1.82	1.75	1.71	1.72	1.72	1.70	1.75	1.80	1.90	1.95	2.01	1.96	1.82
Mo.	1.68	1.64	1.54	1.52	1.48	1.48	1.55	1.58	1.71	1.81	1.84	1.82	1.64
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	1.80	1.75	1.79	1.76	1.74	1.81	1.90	2.07	2.09	2.09	2.07	1.89
Nebr.	1.80	1.78	1.73	1.70	1.70	1.65	1.75	1.82	1.96	2.05	2.10	1.99	1.84
Kans.	1.99	1.91	1.86	1.82	1.86	1.85	1.88	1.93	2.07	2.18	2.22	2.20	1.98
W. N. Cent.	1.69	1.66	1.62	1.65	1.63	1.62	1.68	1.73	1.84	1.90	1.91	1.87	1.73
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	2.13	2.10	2.15	2.15	2.31	2.40	2.43	2.50	2.53	2.50	2.28
S. Atl.	1.84	1.86	1.83	1.77	1.78	1.76	1.80	1.85	1.91	1.99	2.03	1.99	1.87
Ky.	1.62	1.56	1.52	1.43	1.43	1.41	1.43	1.52	1.62	1.75	1.83	1.82	1.58
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.	2.04	2.00	1.98	1.97	1.99	1.99	2.03	2.08	2.12	2.13	2.11	2.03	2.04
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.	1.83	1.76	1.67	1.61	1.62	1.59	1.63	1.64	1.72	1.79	1.90	1.86	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
S. Cent.	1.82	1.78	1.74	1.66	1.68	1.66	1.68	1.75	1.85	1.94	1.99	1.95	1.79
Mont.	2.03	1.98	1.94	1.99	1.94	1.90	1.95	2.18	2.18	2.28	2.38	2.31	2.09
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	1.98	1.93	1.94	2.03	2.12	2.19	2.23	2.20	2.05
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.	1.65	1.64	1.61	1.61	1.56	1.58	1.60	1.65	1.69	1.71	1.73	1.70	1.64
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
West.	1.66	1.61	1.57	1.55	1.54	1.54	1.57	1.61	1.66	1.70	1.72	1.73	1.62
U. S.	1.67	1.65	1.62	1.60	1.60	1.58	1.64	1.71	1.79	1.85	1.86	1.82	1.70

See footnote 1/ on page 12.



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