

# milk production

APRIL 1971



Release:  
May 11, 1971  
3:00 P.M. EDT

## APRIL MILK PRODUCTION 1 PERCENT ABOVE LAST YEAR

U. S. milk production in April is estimated at 10,432 million pounds, 1 percent more than a year ago. Daily average output increased 6 percent from March, the same gain as a year earlier. April milk production provided 1.68 pounds of milk per person daily for all uses, the same as a year ago, and up seasonally from the 1.59 pounds for March 1971.

April milk production equaled or exceeded last year in the North Atlantic States except for New York, New Jersey, Rhode Island, and Massachusetts. For the South Atlantic region, production was up in 4 States, the same in North Carolina and Georgia, and down in Delaware and West Virginia. In the East North Central States, output was above a year earlier in Wisconsin and Ohio, unchanged in Indiana, and lower in Illinois and Michigan. All West North Central States, except Minnesota, South Dakota, and Kansas, showed declines. In most South Central and Western States production was higher. Only Mississippi, Wyoming, Nevada, and Oregon had smaller outputs; production was unchanged in Oklahoma and Montana.

## PRODUCTION PER COW UP 2 PERCENT, MILK COWS DOWN 1 PERCENT

April milk production per cow was 841 pounds, 2 percent more than April 1970, the same gain as in March. April rate per cow was at record high levels in 36 States and equaled previous peaks in 3 States. Output per cow was highest in Arizona, with 1,030 pounds, followed by California, 1,020 pounds; Minnesota, 975 pounds; Washington, 950 pounds and New Jersey, 940 pounds.

## MILK-FEED PRICE RATIO 5 PERCENT BELOW A YEAR EARLIER

The April milk-feed price ratio was 1.63, 5 percent less than April last year, and lowest for the month since 1968 when it was 1.60. The estimated value of concentrate ration was 30 cents per hundredweight above a year earlier, more than offsetting a 21 cent increase in the milk price. April ratio was down 1 percent from March, the same as the decline between these two months last year.

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CONCENTRATE RATIONS FED TO MILK COWS 1970, page 6.

Pasture condition better than average

Pasture condition reported for May 1 was poor to fair. At 74 percent of normal, May 1 condition was the lowest reported for the date since 1956. The 68 percent reported on May 1, 1956 was the only figure lower than this year in more than 30 years. Down 12 percentage points from a year ago, condition was also down 9 points from the 1960-69 average for May 1. Cool dry weather over most of the Nation retarded pasture growth during April. Condition in all North Atlantic States except Maine was below both May 1 a year ago and the 10-year average for the date. In the East North Central group, Wisconsin is the only State with pasture condition above a year ago and average. West North Central States show less variation between States than other groups.

Reported pasture condition in the South Atlantic States ranged from 60 percent in West Virginia -- a record low, to 85 in North Carolina. Florida, where the southern third is critically dry, reported 64 percent, a 6-point decline from April 1. Texas pasture condition was a record low 40 percent on May 1, the lowest of the 48 States. Oklahoma condition at 55 percent has been poorer in only 2 years since 1916. In the Western States, reported condition varied widely. New Mexico condition -- at 51 percent -- was lowest since 1967. Wyoming reported 92 percent, highest of the 48 States and highest for the State since 1958.

Milk cows and milk production by months, United States

Month	Milk cows on farms 1/			Milk per cow 2/			Milk production 2/			
	1969	1970	1971	1969	1970	1971	1969	1970	1971	Change from 1970
	Thousands			Pounds			Million pounds			Percent
January	12,819	12,570	12,437	734	752	768	9,415	9,448	9,547	- 1.0
February	12,976	12,564	12,432	690	708	725	8,831	8,896	9,010	+ 1.3
March	12,766	12,553	12,422	785	807	822	10,025	10,126	10,209	+ 0.8
April	12,745	12,540	12,411	805	824	841	10,256	10,328	10,432	+ 1.0
Jan.-April total							38,527	38,798	39,198	+ 1.0
May	12,720	12,523		871	887		11,073	11,109		
June	12,695	12,509		845	863		10,728	10,792		
July	12,674	12,501		801	818		10,149	10,226		
August	12,656	12,493		764	782		9,673	9,767		
September	12,628	12,479		725	743		9,158	9,273		
October	12,614	12,472		723	744		9,114	9,280		
November	12,594	12,460		690	710		8,687	8,842		
December	12,582	12,449		734	751		9,236	9,349		
Annual	12,693	12,509		9,166	9,388		116,345	117,436		

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 : 1970
	1969	1970	1971	1969	1970	1971	1969	1970	1971	
	Thousands			Pounds			Million Pounds			Percent
Maine	69	67	66	760	785	810	52	53	53	0
New Hampshire	38	37	36	820	830	850	31	31	31	0
Vermont	206	205	205	810	820	850	167	168	174	+4
Massachusetts	66	64	63	905	915	915	60	59	58	-2
Rhode Island	7.9	7.5	6.9	890	870	905	7.0	6.5	6.2	-5
Connecticut	66	65	63	870	865	885	57	56	56	0
New York	1,029	1,026	1,013	895	900	905	921	923	917	-1
New Jersey	75	70	66	930	935	940	70	65	62	-5
Pennsylvania	722	716	705	845	870	880	610	623	620	0
Ohio	465	456	445	815	815	850	379	372	378	+2
Indiana	240	241	236	850	869	885	204	209	209	0
Illinois	320	306	299	820	825	825	262	252	247	-2
Michigan	473	466	462	815	830	815	385	387	377	-3
Wisconsin	1,854	1,844	1,849	870	885	905	1,613	1,632	1,673	+3
Minnesota	1,021	985	978	915	960	975	934	946	954	+1
Iowa	536	502	478	815	830	845	437	417	404	-3
Missouri	370	359	347	725	739	735	268	265	255	-4
North Dakota	149	143	135	690	695	685	103	99	92	-7
South Dakota	194	182	176	730	740	770	142	135	136	+1
Nebraska	203	191	187	710	730	720	144	139	135	-3
Kansas	207	202	196	725	735	760	150	148	149	+1
Delaware	15	15	15	795	785	780	11.9	11.8	11.7	-1
Maryland	169	167	168	765	780	780	129	130	131	+1
Virginia	226	222	220	670	695	750	151	154	165	+7
West Virginia	63	60	56	560	575	600	35	35	34	-3
North Carolina	191	188	185	670	695	710	128	131	131	0
South Carolina	70	67	65	655	670	700	46	45	46	+2
Georgia	140	145	147	690	725	715	97	105	105	0
Florida	190	191	193	730	745	820	139	142	158	+11
Kentucky	356	345	339	605	625	660	215	216	224	+4
Tennessee	315	306	302	605	640	670	191	196	202	+3
Alabama	139	135	134	515	540	560	72	73	75	+3
Mississippi	203	197	190	475	485	500	96	96	95	-1
Arkansas	100	97	97	610	615	640	61	60	62	+3
Louisiana	175	172	168	555	565	615	97	97	103	+6
Oklahoma	152	148	145	735	750	765	112	111	111	0
Texas	349	354	355	755	755	780	263	267	277	+4
Montana	45	43	41	670	690	735	30	30	30	0
Idaho	155	154	159	785	805	820	122	124	130	+5
Wyoming	18.7	17.7	16.9	690	695	700	12.9	12.3	11.8	-4
Colorado	100	101	101	750	725	760	75	73	77	+5
New Mexico	37	36	35	705	695	740	26	25	26	+4
Arizona	52	52	52	960	990	1,030	50	51	54	+6
Utah	76	80	83	870	880	890	66	70	74	+6
Nevada	13.8	13.9	14.1	845	875	860	11.7	12.2	12.1	-1
Washington	182	186	190	950	965	950	173	179	181	+1
Oregon	111	108	107	795	820	790	88	89	85	-4
California	776	790	806	965	1,005	1,020	749	794	822	+4
Alaska	1.8	1.9	1.8	795	870	800	1.43	1.65	1.44	-13
Hawaii	12.5	12.7	12.9	910	905	860	11.4	11.5	11.1	-3
United States	12,745	12,540	12,411	805	824	841	10,256	10,328	10,432	+1.0

1/ Includes dry cows. Excludes heifers 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. 1970 4/	Mar. 1971	Apr. 1971	Apr. 1970 4/	Mar. 1971	Apr. 1971	Apr. 1970	Mar. 1971	Apr. 1971
	Pounds			Dollars					
N. Atl.	1.63	1.56	1.55	6.00	6.31	6.21	3.69	4.04	4.00
E. N. Cent.	1.70	1.67	1.65	5.25	5.62	5.53	3.09	3.37	3.35
W. N. Cent.	1.77	1.68	1.69	4.82	5.12	5.11	2.72	3.05	3.02
S. Atl.	1.90	1.77	1.72	6.70	7.00	6.90	3.52	3.96	4.02
S. Cent.	1.79	1.72	1.66	6.01	6.34	6.13	3.35	3.69	3.69
West	1.69	1.65	1.61	5.45	5.65	5.52	3.23	3.42	3.43
U. S.	1.72	1.65	1.63	5.53	5.83	5.74	3.22	3.53	3.52

1/ Data for current month are preliminary.

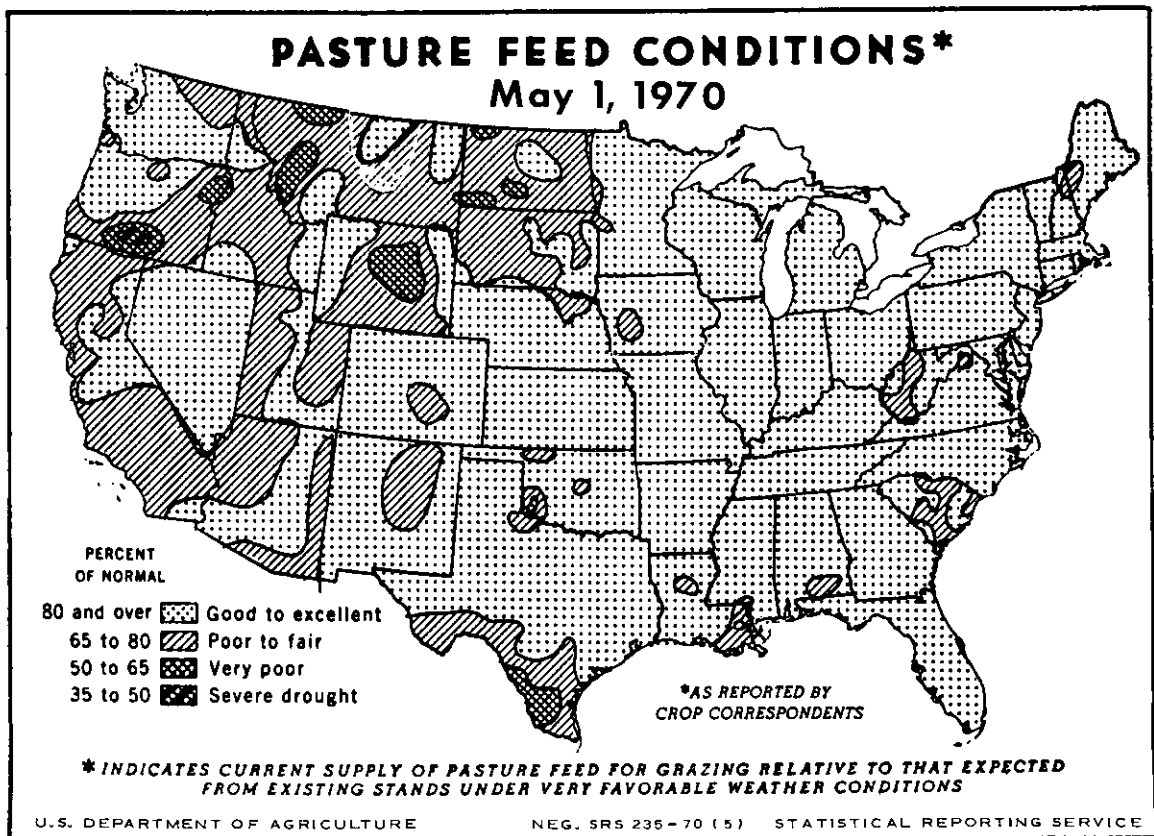
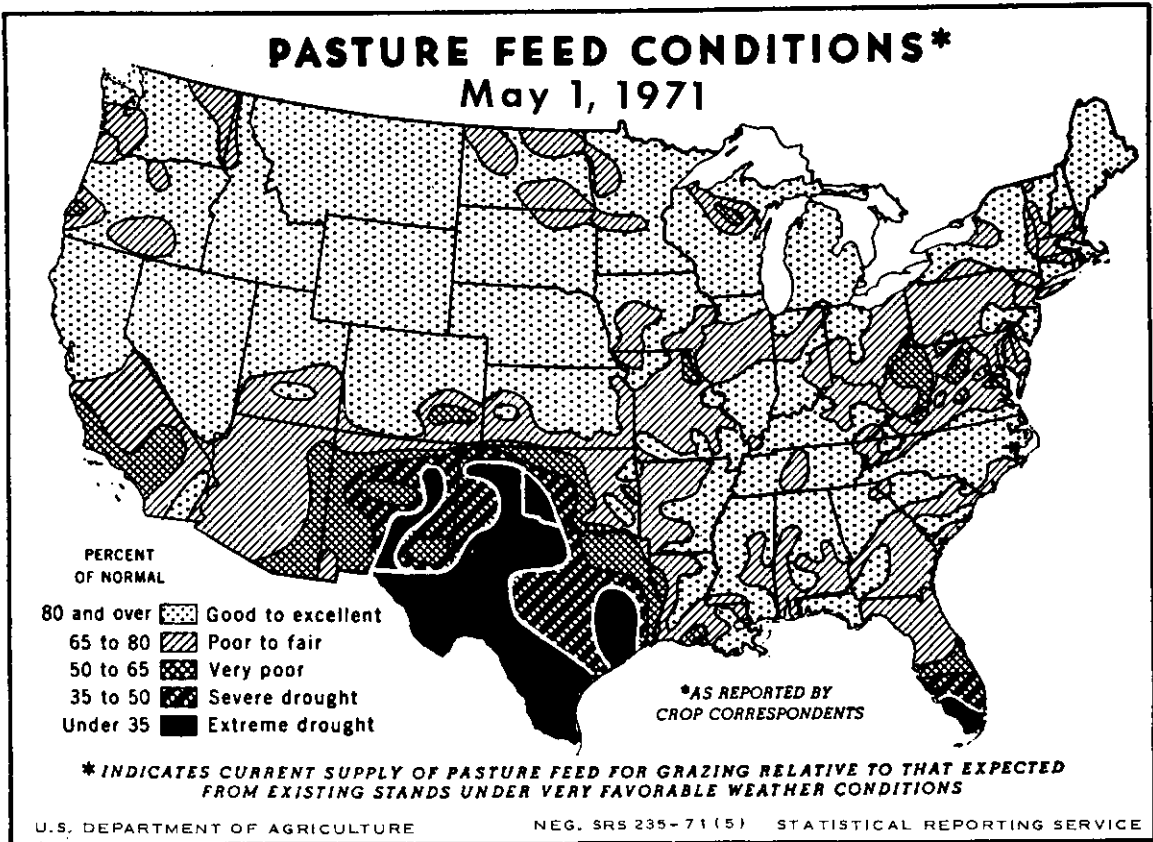
2/ Pounds of concentrate ration equal in value to 1 pound milk sold to plants.

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 1960-69	1970	1971	State	Average 1960-69	1970	1971
Percent				Percent			
Maine	87	82	90	N. C.	85	90	85
N. H.	87	87	76	S. C.	81	84	83
Vt.	88	86	78	Ga.	80	86	78
Mass.	87	86	76	Fla.	70	83	64
R. I.	86	82	80				
Conn.	87	84	79	Ky.	85	91	80
N. Y.	87	91	81	Tenn.	84	90	81
N. J.	80	83	74	Ala.	81	88	82
Pa.	84	89	75	Miss.	81	85	83
				Ark.	82	88	81
Ohio	88	89	78	La.	79	85	71
Ind.	89	91	79	Okla.	80	86	55
Ill.	89	91	79	Texas	76	86	40
Mich.	91	89	87				
Wis.	85	89	90	Mont.	81	78	88
				Idaho	86	79	88
Minn.	85	87	87	Wyo.	82	81	92
Iowa	87	87	81	Colo.	75	87	84
Mo.	84	88	75	N. Mex.	70	77	51
N. Dak.	73	72	79	Ariz.	85	79	72
S. Dak.	78	80	85	Utah	85	77	85
Nebr.	82	87	87	Nev.	79	84	85
Kans.	80	86	79	Wash.	85	83	80
				Oreg.	86	83	78
Del.	86	91	75	Calif.	82	73	80
Md.	84	87	73				
Va.	83	90	72	U. S.	83	86	74
W. Va.	79	82	60				



## GRAIN AND OTHER CONCENTRATES FED TO MILK COWS, 1970

### FEEDING RATES INCREASE IN 1970

Grain and concentrates fed to milk cows during 1970 totaled 24,870,000 tons, up 5 percent from a year earlier. Farmers fed 3,979 pounds of grain and concentrate per milk cow--7 percent more than the previous year. Grain and concentrate feeding was 4,000 pounds or more per cow in 18 of the 48 States compared with 12 States in 1969. The amount fed per cow was highest in Florida followed by Texas, Oklahoma, Connecticut, and Massachusetts. Some 42.4 pounds of grain and concentrates were fed per 100 pounds of milk produced, up 4 percent from 1969. Florida fed the most grain and concentrates per 100 pounds of milk, followed by Louisiana; rates in Mississippi, Arkansas, and Texas were the same at 54 pounds.

### COMMERCIAL MIXED FEEDS MOST IMPORTANT

Commercially mixed feed replaced corn for the second time in as many years as the leading dairy feed item in 1970. Commercially mixed feed was 39 percent of the total while corn represented 37 percent; together they equaled slightly over three-fourths of the concentrates fed to milk cows last year. Corn accounted for more than 60 percent of the ration composition in 6 States and commercially mixed feeds comprised over 80 percent in 10 States. Oats represented 11 percent of the 1970 ration, down slightly from 1969. Each of the other feeds came to less than 3 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, unchanged from 1969. During 1970, 80 percent of the oats, 78 percent of the corn, and 53 percent of the barley fed to milk cows were home-grown.

### VALUE OF CONCENTRATE RATION INCREASED DURING 1970

The average value of concentrate ration fed to milk cows was estimated at \$3.28 per 100 pounds, up 13 cents from 1969. Values ranged from a low of \$3.22 in January, March, and April to a high of \$3.41 in December. The average value was lowest in North Dakota where home-grown oats made up a large share of the total ration.

### MILK-FEED PRICE RATIO LOWER

The 1970 milk-feed price ratio averaged 1.74, a shade under the record high of 1.75 for 1969. Gains in milk prices were less than the increase in ration value. The 1970 ratio equaled or topped 1969 during the first 7 months but dropped below during August-December.

Quantity and value of grain and other concentrates  
fed to milk cows, by States, 1970 1/

State	Annual quantity fed to milk cows			Annual average	Annual average
	Total	Per cow	Per 100 lb. of milk	value of feed per 100 lb.	feed value per 100 lb. of milk
	1,000 tons	Pounds		Dollars	
Maine	130	3,870	42	3.78	1.59
N. H.	71	3,830	40	3.76	1.50
Vt.	373	3,640	38	3.74	1.42
Mass.	140	4,430	42	3.69	1.55
R. I.	16	4,360	43	3.65	1.57
Conn.	143	4,450	43	3.63	1.56
N. Y.	2,038	3,980	39	3.83	1.49
N. J.	150	4,340	41	3.96	1.62
Pa.	1,567	4,400	44	3.68	1.62
Ohio	947	4,170	43	3.19	1.37
Ind.	502	4,200	42	3.08	1.29
Ill.	599	3,940	41	2.96	1.21
Mich.	944	4,060	41	3.16	1.30
Wis.	3,663	3,970	40	3.15	1.26
Minn.	2,003	4,070	41	2.89	1.18
Iowa	1,039	4,180	44	2.73	1.20
Mo.	686	3,840	45	3.18	1.43
N. Dak.	224	3,170	42	2.05	.86
S. Dak.	317	3,520	42	2.35	.99
Nebr.	338	3,570	42	2.80	1.18
Kans.	358	3,560	43	2.73	1.17
Del.	32	4,230	45	3.67	1.65
Md.	356	4,230	45	3.67	1.65
Va.	364	3,280	40	3.91	1.56
W. Va.	77	2,600	39	4.01	1.56
N. C.	339	3,620	45	3.78	1.70
S. C.	128	3,860	50	3.74	1.87
Ga.	311	4,260	52	3.69	1.92
Fla.	574	6,010	70	3.30	2.31
Ky.	552	3,210	45	3.55	1.60
Tenn.	512	3,370	48	3.61	1.73
Ala.	216	3,200	53	3.59	1.90
Miss.	283	2,900	54	3.49	1.88
Ark.	187	3,860	54	3.38	1.83
La.	299	3,490	55	3.57	1.96
Okla.	331	4,500	53	3.14	1.66
Texas	826	4,650	54	3.26	1.76
Mont.	58	2,680	33	2.46	.81
Idaho	231	2,960	31	2.74	.85
Wyo.	22	2,470	30	2.86	.86
Colo.	172	3,410	39	2.97	1.16
N. Mex.	55	3,120	36	3.25	1.17
Ariz.	106	4,050	36	3.40	1.22
Utah	138	3,440	33	2.95	.97
Nev.	241	3,470	34	3.31	1.13
Wash.	345	3,690	33	3.38	1.12
Oreg.	160	2,960	33	3.50	1.16
Calif.	1,707	4,300	36	3.33	1.20
U. S.	24,870	3,979	42.4	3.28	1.39

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, 1970 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	2								3	1	92	2
N. H.									2	2	96	
Vt.	1								1	2	94	2
Mass.	1								8	5	85	1
R. I.									9	6	81	4
Conn.	1						1		8	3	84	3
N. Y.	15	6		1			2	1			73	2
N. J.	20	5	5	1			3		2		59	5
Pa.	39	11	4				5	1	1		33	6
Ohio	66	11		1			6	1			13	2
Ind.	71	9					3				17	
Ill.	75	10					4				10	1
Mich.	66	18	1	2			5				7	1
Wis.	56	25					1	2			13	3
Minn.	61	23	1				3	2			10	
Iowa	73	11					3				12	1
Mo.	47	3	1		5	1	4	4			33	2
N. Dak.	3	72	18				1	1			5	
S. Dak.	48	36	4				1				7	4
Nebr.	59	5	1	1	10		2	1			20	1
Kans.	14	4	6	7	49		7	3			9	1
Del.	51	2	2				1				36	8
Md.	47	4	7				9	1			25	7
Va.	33	3	7	1		1	5	1			47	2
W. Va.	27	3	2				3				65	
N. C.	35	5	4			1	9			2	42	2
S. C.	33	2	1			2	1			2	58	1
Ga.	22	2				2	5	1		11	57	
Fla.	10					2	2	2		20	64	
Ky.	53	1	1				6	1			36	2
Tenn.	18	2				1	1				76	2
Ala.	31	2				3	2			3	57	2
Miss.	11	1				3	5				75	5
Ark.	9	1		7		2	1	1			72	7
La.	11	1		1		1	2	1			83	
Okla.	6	12	12	18		3	2	6			38	3
Texas	5	4	2	32		5		2			47	3
Mont.		12	39	3			1	1	2		41	1
Idaho	6	4	39	9					5		31	6
Wyo.	6	2	66						5		18	3
Colo.	38	3	9	4	3		1		3		38	1
N. Mex.	3	3	4	3	30		2	3			47	5
Ariz.			4	1	3						88	4
Utah	1	3	44	8				1	9		33	1
Nev.	1	1	24		3						71	
Wash.	3	2						2	1		89	3
Oreg.	3	10	6	2	1				1		74	3
Calif.			7	1	1			1	1		88	1
U. S.	36.5	10.9	2.9	.6	2.6	.4	2.6	1.2	.4	.7	39.1	2.1

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, 1969 and 1970 1/

State	Total concentrate ration		Corn		Oats		Barley	
	1969	1970	1969	1970	1969	1970	1969	1970
	P e r c e n t							
Maine					35			
N. H.								
Vt.								
Mass.								
R. I.								
Conn.			15	12				
N. Y.	20	16	65	68	93	85		
N. J.	24	25	84	84	50	41	76	89
Pa.	43	48	79	90	72	75	79	87
Ohio	67	68	80	85	85	87		
Ind.	67	69	87	88	72	68		
Ill.	75	75	90	89	81	84		
Mich.	73	70	80	80	89	81	69	70
Wis.	63	62	72	73	84	86	65	
Minn.	76	79	89	96	87	87	77	69
Iowa	76	75	87	90	79	87		
Mo.	30	29	59	51	67	62	63	50
N. Dak.	74	76	70	60	86	83	96	81
S. Dak.	68	72	75	87	85	71	60	73
Nebr.	56	57	73	77	75	67		
Kans.	45	43	56	45	54	50	39	45
Del.	29	38	80	69	85	80	65	55
Md.	44	48	77	80	66	81	69	76
Va.	32	31	63	66	65	77	86	82
W. Va.	14	15	34	44	50	62	65	72
N. C.	20	27	47	60	59	62	66	60
S. C.	20	17	58	44	62	63	88	83
Ga.	10	10	47	40	62	67		
Fla.	2	2	25	25				
Ky.	46	36	72	64	49	49	85	71
Tenn.	13	13	53	59	64	75		
Ala.	12	12	35	35	34	26		
Miss.	13	7	60	55	45	45		
Ark.	2	4	29	24		20		
La.	3	3	22	22	20	15		
Okla.	12	13	29	25	16	19	37	54
Texas	8	5	7	5	20	17	12	10
Mont.	22	24			63	43	36	41
Idaho	36	33	75	65	67	63	57	49
Wyo.	36	37			62	53	49	53
Colo.	17	20	30	38	55	42	37	30
N. Mex.	4	3	26	23			35	30
Ariz.	4	3					39	42
Utah	28	23	10	10	59	44	49	36
Nev.	13	11					50	46
Wash.	2	2			76	75	25	
Oreg.	10	15	49	35	62	64	33	89
Calif.		2	15				5	35
U. S.	40.4	40.0	75.1	77.7	81.6	79.5	58.4	52.8

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, 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.	3.74	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	3.38	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

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, 1970 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
						D o l l a r s							
Maine	3.78	3.74	3.68	3.66	3.70	3.62	3.64	3.68	3.84	3.92	4.00	4.08	3.78
N. H.	3.76	3.72	3.64	3.57	3.56	3.60	3.64	3.72	3.84	3.94	4.02	4.10	3.76
Vt.	3.68	3.64	3.60	3.56	3.62	3.56	3.62	3.70	3.82	3.90	4.02	4.10	3.74
Mass.	3.64	3.58	3.56	3.54	3.54	3.55	3.56	3.68	3.78	3.88	3.98	4.00	3.69
R. I.	3.74	3.75	3.68	3.56	3.54	3.50	3.48	3.52	3.68	3.80	3.92	4.02	3.65
Conn.	3.70	3.70	3.60	3.50	3.48	3.48	3.48	3.61	3.72	3.84	3.92	3.96	3.63
N. Y.	3.78	3.84	3.80	3.76	3.82	3.76	3.74	3.76	3.84	3.88	3.96	4.04	3.83
N. J.	3.83	3.86	3.89	4.01	3.91	3.93	3.95	3.96	4.03	4.06	4.04	4.04	3.96
Pa.	3.58	3.64	3.63	3.64	3.66	3.65	3.65	3.68	3.73	3.77	3.78	3.78	3.68
Ohio	3.14	3.12	3.10	3.08	3.08	3.12	3.16	3.24	3.32	3.28	3.26	3.34	3.19
Ind.	3.04	3.08	3.06	3.06	3.04	3.00	2.98	3.04	3.12	3.20	3.12	3.24	3.08
Ill.	2.80	2.88	2.86	2.88	2.90	2.92	2.98	3.02	3.04	3.08	3.04	3.12	2.96
Mich.	3.05	3.08	3.10	3.12	3.12	3.12	3.18	3.24	3.28	3.24	3.18	3.24	3.16
Wis.	3.09	3.11	3.13	3.12	3.11	3.13	3.14	3.16	3.20	3.18	3.18	3.21	3.15
Minn.	2.74	2.76	2.74	2.78	2.84	2.88	2.92	2.98	3.05	3.01	2.96	2.98	2.89
Iowa	2.62	2.60	2.59	2.64	2.68	2.72	2.77	2.81	2.84	2.82	2.80	2.88	2.73
Mo.	3.14	3.17	3.14	3.13	3.12	3.12	3.11	3.18	3.22	3.29	3.25	3.30	3.18
N. Dak.	2.03	2.04	2.05	2.06	2.04	2.02	2.00	1.99	2.02	2.06	2.12	2.18	2.05
S. Dak.	2.24	2.26	2.24	2.30	2.33	2.32	2.32	2.36	2.42	2.40	2.45	2.52	2.35
Nebr.	2.68	2.74	2.68	2.68	2.70	2.74	2.80	2.86	2.94	2.88	2.92	2.96	2.80
Kans.	2.68	2.76	2.74	2.72	2.70	2.70	2.72	2.73	2.74	2.74	2.74	2.78	2.73
Del.	3.70	3.74	3.68	3.60	3.56	3.54	3.60	3.62	3.68	3.72	3.76	3.84	3.67
Md.	3.66	3.70	3.64	3.56	3.60	3.56	3.62	3.66	3.70	3.70	3.76	3.84	3.67
Va.	3.80	3.85	3.80	3.76	3.80	3.84	3.88	3.96	4.00	4.04	4.08	4.12	3.91
W. Va.	3.84	3.92	3.94	3.93	3.92	4.00	4.02	4.06	4.08	4.12	4.13	4.14	4.01
N. C.	3.76	3.77	3.72	3.68	3.69	3.70	3.70	3.76	3.80	3.86	3.92	3.96	3.78
S. C.	3.60	3.64	3.64	3.60	3.68	3.72	3.76	3.80	3.80	3.84	3.92	3.93	3.74
Ge.	3.69	3.71	3.64	3.56	3.58	3.60	3.64	3.70	3.76	3.78	3.82	3.82	3.69
Fla.	3.14	3.18	3.16	3.14	3.14	3.20	3.32	3.44	3.46	3.50	3.48	3.44	3.30
Ky.	3.44	3.45	3.44	3.43	3.44	3.46	3.52	3.57	3.64	3.76	3.74	3.76	3.55
Tenn.	3.52	3.53	3.50	3.46	3.46	3.48	3.56	3.64	3.74	3.72	3.83	3.90	3.61
Ala.	3.52	3.53	3.48	3.42	3.46	3.50	3.56	3.64	3.72	3.76	3.75	3.78	3.59
Miss.	3.44	3.40	3.38	3.34	3.40	3.45	3.48	3.56	3.60	3.58	3.60	3.64	3.49
Ark.	3.40	3.41	3.40	3.34	3.30	3.29	3.31	3.36	3.43	3.44	3.42	3.46	3.38
La.	3.45	3.50	3.56	3.50	3.48	3.52	3.54	3.60	3.62	3.64	3.68	3.74	3.57
Okla.	3.14	3.13	3.08	3.06	3.06	3.08	3.12	3.19	3.19	3.19	3.19	3.20	3.14
Texas	3.24	3.24	3.26	3.26	3.24	3.20	3.18	3.22	3.26	3.30	3.32	3.36	3.26
Mont.	2.44	2.46	2.47	2.47	2.46	2.45	2.44	2.40	2.40	2.46	2.50	2.55	2.46
Idaho	2.77	2.78	2.74	2.72	2.74	2.66	2.65	2.68	2.72	2.76	2.80	2.87	2.74
Wyo.	2.84	2.87	2.90	2.91	2.91	2.90	2.88	2.86	2.82	2.80	2.82	2.86	2.86
Colo.	2.92	2.96	2.92	2.98	3.01	2.97	2.94	2.92	2.96	3.00	3.06	3.04	2.97
N. Mex.	3.30	3.31	3.30	3.26	3.22	3.20	3.24	3.18	3.26	3.24	3.26	3.27	3.25
Ariz.	3.36	3.37	3.34	3.38	3.41	3.43	3.41	3.38	3.35	3.42	3.47	3.51	3.40
Utah	2.98	3.02	3.00	2.96	2.93	2.94	2.94	2.94	2.93	2.92	2.92	2.96	2.95
Nev.	3.36	3.38	3.36	3.34	3.32	3.30	3.26	3.24	3.24	3.26	3.32	3.36	3.31
Wash.	3.35	3.37	3.36	3.34	3.33	3.33	3.34	3.35	3.40	3.45	3.47	3.50	3.38
Oreg.	3.45	3.45	3.45	3.45	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.60	3.50
Calif.	3.35	3.36	3.32	3.31	3.30	3.29	3.29	3.29	3.30	3.32	3.38	3.42	3.33
U. S.	3.22	3.24	3.22	3.22	3.23	3.23	3.25	3.30	3.34	3.36	3.37	3.41	3.28

See footnote 1/ on page 10.

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	1.69	1.63	1.76	1.79	1.83	1.90	1.88	1.86	1.76
N. H.	1.76	1.71	1.68	1.63	1.60	1.55	1.71	1.80	1.87	1.92	1.87	1.82	1.74
Vt.	1.70	1.68	1.63	1.61	1.59	1.51	1.65	1.75	1.83	1.86	1.81	1.81	1.70
Mass.	1.79	1.79	1.78	1.74	1.72	1.64	1.76	1.85	1.91	1.95	1.91	1.91	1.81
R. I.	1.80	1.80	1.75	1.72	1.67	1.61	1.71	1.79	1.86	1.91	1.88	1.85	1.78
Conn.	1.84	1.83	1.80	1.78	1.76	1.70	1.81	1.87	1.97	2.01	1.95	1.93	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.	1.81	1.78	1.74	1.70	1.64	1.61	1.63	1.68	1.76	1.80	1.84	1.85	1.74
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.	2.02	1.98	1.93	1.82	1.75	1.72	1.72	1.82	1.99	2.05	2.06	2.05	1.91
Ill.	2.09	2.04	1.95	1.89	1.88	1.87	1.87	1.90	1.98	2.07	2.12	2.16	1.99
Mich.	2.06	2.04	2.03	2.05	1.97	1.85	1.84	1.84	1.92	1.96	1.96	1.95	1.96
Wis.	1.61	1.57	1.56	1.55	1.53	1.51	1.52	1.53	1.61	1.69	1.72	1.72	1.59
Minn.	1.66	1.61	1.63	1.65	1.59	1.59	1.59	1.65	1.69	1.73	1.75	1.75	1.66
Iowa	1.96	1.88	1.89	1.86	1.80	1.74	1.77	1.80	1.88	1.96	2.01	2.00	1.88
Mo.	1.81	1.78	1.72	1.67	1.63	1.61	1.61	1.62	1.72	1.80	1.85	1.84	1.72
N. Dak.	2.37	2.28	2.24	2.23	2.17	2.17	2.22	2.29	2.42	2.47	2.53	2.48	2.32
S. Dak.	1.99	1.91	1.91	1.91	1.88	1.89	1.92	1.96	2.04	2.12	2.16	2.16	1.99
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.	2.19	2.14	2.09	2.02	1.98	1.95	1.95	1.95	2.10	2.19	2.25	2.31	2.09
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	1.55	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.	1.90	1.97	1.96	1.87	1.85	1.78	1.83	1.81	1.93	1.97	1.97	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.	1.75	1.66	1.61	1.48	1.43	1.38	1.40	1.49	1.64	1.78	1.87	1.85	1.61
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.	1.94	1.92	1.89	1.87	1.89	1.86	1.90	1.89	1.96	1.98	1.99	1.98	1.92
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	1.83	1.76	1.63	1.60	1.62	1.66	1.67	1.76	1.83	1.85	1.89	1.75
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	2.13
Mont.	2.28	2.23	2.19	2.09	2.01	1.95	2.08	2.14	2.30	2.42	2.40	2.44	2.21
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	2.01	1.95	1.91	1.94	1.96	2.09	2.26	2.30	2.31	2.09
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.	1.74	1.80	1.77	1.74	1.69	1.68	1.68	1.69	1.78	1.79	1.80	1.79	1.75
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.	1.80	1.76	1.73	1.69	1.65	1.61	1.65	1.70	1.80	1.85	1.87	1.85	1.75

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, 1970 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
D o l l a r s													
Maine	1.85	1.84	1.83	1.80	1.78	1.75	1.84	1.83	1.82	1.86	1.83	1.78	1.82
N. H.	1.82	1.80	1.79	1.78	1.73	1.67	1.77	1.81	1.84	1.84	1.78	1.72	1.78
Vt.	1.79	1.77	1.74	1.73	1.63	1.63	1.74	1.77	1.79	1.81	1.72	1.66	1.73
Mass.	1.91	1.91	1.87	1.84	1.78	1.75	1.87	1.88	1.89	1.91	1.82	1.79	1.85
R. I.	1.83	1.80	1.78	1.80	1.72	1.71	1.87	1.93	1.92	1.91	1.84	1.77	1.82
Conn.	1.91	1.86	1.85	1.89	1.82	1.82	1.98	1.98	2.02	2.01	1.93	1.88	1.91
N. Y.	1.59	1.55	1.50	1.50	1.43	1.42	1.58	1.65	1.68	1.71	1.65	1.57	1.57
N. J.	1.67	1.64	1.57	1.52	1.50	1.49	1.57	1.62	1.65	1.68	1.69	1.66	1.61
Pa.	1.79	1.73	1.71	1.73	1.64	1.60	1.68	1.68	1.70	1.74	1.73	1.75	1.71
Ohio	1.97	1.95	1.92	1.91	1.82	1.78	1.76	1.76	1.82	1.91	1.99	1.96	1.88
Ind.	1.94	1.88	1.86	1.80	1.74	1.73	1.76	1.81	1.89	1.92	2.02	1.94	1.86
Ill.	1.98	1.88	1.84	1.81	1.76	1.73	1.71	1.72	1.83	1.87	1.91	1.86	1.83
Mich.	1.93	1.88	1.84	1.84	1.79	1.78	1.75	1.73	1.75	1.87	1.92	1.90	1.83
Wis.	1.68	1.64	1.60	1.59	1.59	1.58	1.56	1.56	1.60	1.69	1.71	1.68	1.62
Minn.	1.72	1.69	1.67	1.67	1.63	1.59	1.58	1.56	1.58	1.65	1.69	1.68	1.64
Iowa	1.94	1.90	1.88	1.82	1.74	1.74	1.73	1.73	1.76	1.84	1.88	1.85	1.82
Mo.	1.78	1.72	1.69	1.61	1.59	1.57	1.59	1.57	1.66	1.70	1.78	1.76	1.67
N. Dak.	2.44	2.38	2.32	2.28	2.30	2.28	2.33	2.36	2.43	2.48	2.43	2.36	2.37
S. Dak.	2.23	2.15	2.10	2.04	2.00	2.00	1.98	1.97	1.98	2.10	2.10	2.04	2.06
Nebr.	2.05	1.95	1.94	1.90	1.83	1.79	1.75	1.71	1.77	1.86	1.92	1.94	1.87
Kans.	2.20	2.10	2.04	2.04	1.98	1.98	1.95	1.98	2.06	2.12	2.19	2.10	2.06
Del.	1.80	1.76	1.77	1.85	1.80	1.81	1.81	1.77	1.78	1.83	1.84	1.81	1.80
Md.	1.83	1.78	1.77	1.84	1.74	1.76	1.73	1.73	1.77	1.84	1.85	1.82	1.79
Va.	1.75	1.71	1.68	1.66	1.59	1.55	1.55	1.53	1.56	1.61	1.65	1.61	1.62
W. Va.	1.66	1.64	1.59	1.56	1.48	1.45	1.45	1.47	1.51	1.56	1.60	1.58	1.55
N. C.	1.93	1.90	1.87	1.89	1.87	1.82	1.84	1.81	1.86	1.88	1.85	1.84	1.86
S. C.	2.01	1.96	1.88	1.92	1.90	1.94	1.94	1.91	1.96	1.97	1.94	1.90	1.94
Ga.	1.95	1.89	1.85	1.90	1.90	1.89	1.87	1.85	1.88	1.90	1.90	1.85	1.89
Fla.	2.40	2.37	2.33	2.28	2.28	2.23	2.18	2.14	2.14	2.16	2.21	2.25	2.25
Ky.	1.69	1.62	1.56	1.47	1.42	1.39	1.36	1.43	1.47	1.53	1.60	1.62	1.51
Tenn.	1.75	1.71	1.66	1.62	1.55	1.52	1.52	1.48	1.50	1.60	1.59	1.54	1.59
Ala.	1.97	1.95	1.94	1.94	1.92	1.87	1.85	1.81	1.92	1.95	1.93	1.90	1.91
Miss.	1.87	1.84	1.83	1.80	1.76	1.67	1.70	1.72	1.81	1.87	1.88	1.79	1.80
Ark.	1.90	1.86	1.79	1.72	1.71	1.70	1.69	1.70	1.76	1.85	1.92	1.88	1.79
La.	2.06	1.99	1.88	1.93	1.98	1.96	1.96	1.93	2.00	2.01	1.94	1.84	1.96
Okla.	2.13	2.08	2.08	2.03	2.01	2.01	2.00	1.96	1.99	2.07	2.07	2.08	2.04
Texas	2.21	2.16	2.09	2.02	2.01	2.02	2.08	2.08	2.13	2.17	2.20	2.13	2.11
Mont.	2.36	2.28	2.25	2.17	2.20	2.14	2.21	2.31	2.44	2.42	2.40	2.37	2.30
Idaho	1.78	1.74	1.75	1.79	1.75	1.77	1.78	1.76	1.80	1.82	1.83	1.80	1.78
Wyo.	2.02	1.99	1.93	1.91	1.86	1.81	1.86	1.91	2.00	2.09	2.11	2.08	1.96
Colo.	2.24	2.18	2.17	2.15	2.03	2.04	2.06	2.07	2.18	2.22	2.21	2.24	2.15
N. Mex.	2.00	1.95	1.91	1.93	1.88	1.95	1.85	1.89	2.01	2.07	2.12	2.14	1.98
Ariz.	2.02	1.99	1.95	1.89	1.86	1.82	1.88	1.91	1.97	2.00	1.99	1.98	1.94
Utah	1.91	1.84	1.80	1.84	1.83	1.77	1.77	1.80	1.89	1.93	1.99	1.96	1.86
Nev.	1.77	1.72	1.70	1.77	1.75	1.71	1.75	1.77	1.85	1.89	1.88	1.89	1.79
Wash.	1.78	1.74	1.71	1.72	1.67	1.67	1.68	1.69	1.74	1.74	1.76	1.77	1.72
Oreg.	1.80	1.72	1.67	1.65	1.62	1.62	1.61	1.63	1.68	1.73	1.74	1.76	1.69
Calif.	1.64	1.62	1.61	1.60	1.59	1.59	1.57	1.58	1.61	1.64	1.64	1.65	1.61
U. S.	1.81	1.77	1.73	1.72	1.67	1.65	1.68	1.69	1.74	1.79	1.81	1.78	1.74

See footnote 1/ on page 12.





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