

MILK PRODUCTION

May 11, 1967

April milk output about the same as a year ago

April 1967 production of milk in the United States is estimated at 10,732 million pounds, about the same as production in April 1966 but 5 percent below the 1961-65 average for the month.

Total production of milk during the January-April period this year was 40,314 million pounds--slightly above the comparable 1966 period. On a daily average basis, milk production increased 6 percent from March to April, compared with a 5-percent increase a year earlier. April output provided 1.80 pounds per person daily, compared with 1.82 pounds in April 1966.

April rate per cow up 4 percent from a year earlier

Milk output per cow averaged 785 pounds for the United States during April, 4 percent more than a year earlier and 14 percent above the 5-year average for the month.

Table 1.-Milk per cow and milk production by months, United States, 1967, with comparisons

Month	Milk per cow			Milk production			
	Average 1961-65	1966	1967	Average 1961-65	1966	1967	Change from 1966
	Pounds	Pounds	Pounds	Million Pounds	Million Pounds	Million Pounds	Percent
January	621	678	715	10,222	9,805	9,855	+0.5
February	591	635	670	9,696	9,137	9,217	+0.9
March	676	736	766	11,062	10,537	10,510	-0.3
April	690	752	785	11,260	10,725	10,732	+0.1
Jan.-Apr. total	-	-	-	42,241	40,204	40,314	+0.3
May	757	812		12,310	11,525		
June	729	798		11,816	11,269		
July	671	736		10,849	10,350		
August	629	696		10,148	9,763		
September	592	663		9,522	9,263		
October	602	670		9,643	9,333		
November	581	649		9,288	9,012		
December	618	687		9,841	9,511		
Annual	7,759	8,513		125,660	120,230		

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Table 2. -Monthly milk per cow and milk production,
April 1967, with comparisons

State	Monthly milk per cow 1/			Milk production			
	April av. 1961-65	April 1966	April 1967	April av. 1961-65	April 1966	April 1967	Change from 1966
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	670	740	740	58	56	52	-7
New Hampshire.....	746	820	845	36	34	34	0
Vermont.....	723	825	830	181	178	170	-4
Massachusetts.....	790	875	890	70	66	64	-3
Rhode Island.....	799	865	875	9.5	8.5	7.6	-11
Connecticut.....	775	855	870	61	61	60	-2
New York.....	816	880	875	995	987	931	-6
New Jersey.....	848	925	900	99	91	84	-8
Pennsylvania.....	755	815	825	646	630	615	-2
Ohio.....	738	820	820	457	430	419	-3
Indiana.....	728	805	850	273	246	241	-2
Illinois.....	735	815	850	364	322	313	-3
Michigan.....	757	796	800	471	441	415	-6
Wisconsin.....	810	820	870	1,731	1,638	1,706	+4
Minnesota.....	844	855	915	1,071	989	1,022	+3
Iowa.....	690	750	800	549	498	506	+2
Missouri.....	557	655	685	310	281	275	-2
North Dakota.....	599	615	670	152	124	119	-4
South Dakota.....	594	635	680	141	137	140	+2
Nebraska.....	601	600	610	172	146	137	-6
Kansas.....	571	670	720	162	155	156	+1
Delaware.....	715	760	770	15.5	13.7	13.1	-4
Maryland.....	640	720	750	129	130	132	+2
Virginia.....	522	585	620	152	147	150	+2
West Virginia.....	437	505	560	47	41	41	0
North Carolina.....	535	575	620	128	122	128	+5
South Carolina.....	488	575	610	46	45	46	+2
Georgia.....	481	575	630	88	87	91	+5
Florida.....	647	710	765	117	126	139	+10
Kentucky.....	470	555	580	221	223	220	-1
Tennessee.....	447	495	520	192	186	188	+1
Alabama.....	373	440	465	74	70	71	+1
Mississippi.....	335	400	450	103	98	101	+3
Arkansas.....	406	525	550	70	62	62	0
Louisiana.....	378	450	495	83	89	94	+6
Oklahoma.....	572	665	725	122	114	116	+2
Texas.....	530	644	720	267	263	274	+4
Montana.....	525	550	560	34	30	29	-3
Idaho.....	729	740	800	137	121	126	+4
Wyoming.....	589	650	675	15.3	14.5	13.8	-5
Colorado.....	653	695	730	73	69	72	+4
New Mexico.....	589	640	690	23	24	27	+12
Arizona.....	867	900	930	44	47	47	0
Utah.....	747	810	840	65	63	66	+5
Nevada.....	717	845	860	10.4	11.4	11.6	+2
Washington.....	776	880	890	167	174	174	0
Oregon.....	675	725	770	97	89	92	+3
California.....	901	945	945	720	732	727	-1
Alaska.....	689	750	770	1.82	1.58	1.54	-3
Hawaii.....	769	865	880	10.8	13.3	12.4	-7
United States.....	690	752	785	11,260	10,725	10,732	+0.1

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

On a daily basis, April output averaged 26.2 pounds per cow, compared with 24.7 pounds in March 1967 and 25.1 pounds in April 1966. April production per cow was at a record high level in 47 States.

On a State basis, April production per cow was highest in California with 945 pounds. Following were Arizona with 930 pounds per cow, Minnesota with 915 pounds, and New Jersey with 900 pounds.

Milk-feed price ratio 3 percent above a year earlier

The April milk-feed price ratio, at 1.49, was 3 percent more than the ratio of 1.45 a year earlier. Increases in milk prices over April 1966 were greater than comparable increases in ration values and accounted for the higher milk-feed price ratio. Seasonally, the ratio was down 1 percent from the 1.51 in March. The average seasonal decline in the milk-feed price ratio from March to April is about 4 percent. The milkfat-feed price ratio for April was 23.6 or 2 percent less than both a year earlier and average, and about the same as a month earlier.

Pasture condition good in most dairy areas

Reported condition of dairy pastures for the Nation averaged 84 percent of normal on May 1, 1967. This is up 1 percentage point from the 1961-65 average for the date but condition varied widely by areas. Nationally, dairy pasture condition was the same as a year earlier.

The cooling trend in the last half of April limited plant growth late in the month and partly offset benefits of above normal temperatures earlier.

Moisture supplies varied sharply over the Nation during April. In many Northern areas particularly, fields were too wet and soft for livestock. Pastures generally were still dormant in States bordering Canada. In contrast, southern Florida and parts of Arizona, New Mexico, and Colorado received very little rain during April.

Pasture conditions were poorest in Florida, Georgia, New Mexico, and Arizona, based on a comparison with 5-year averages for May 1. Florida pasture condition dropped sharply from April 1 following continued lack of rainfall. Supplemental feeding needs increased and water for pastured cattle has become a critical problem. Low ground water supplies also curtailed irrigation. Pasture feed condition in other South Atlantic States generally was below both a year earlier and the 5-year average.

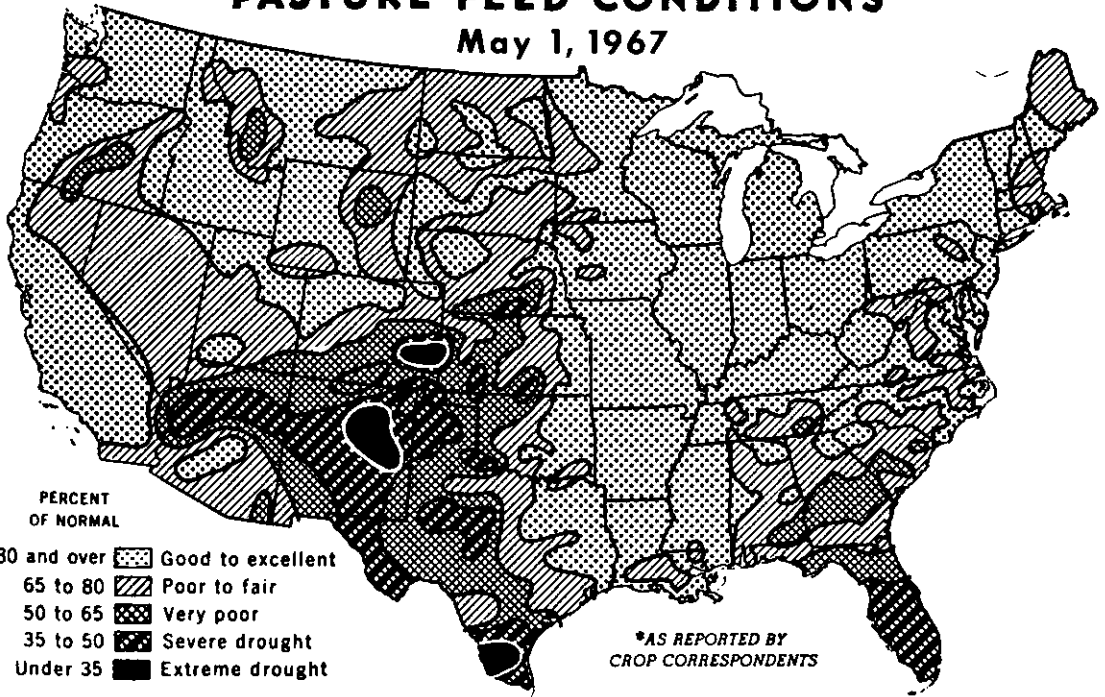
Pastures were above average in most North Central States. Kansas pasture condition improved markedly from April 1 following rains, but continued below average. Subsoil moisture continued short in central and western Kansas. Of the other North Central States pasture conditions for Minnesota, South Dakota, and Nebraska were also below average.

Texas, Oklahoma, Alabama and Tennessee pasture conditions were below average for May 1. In Texas, pastures at the start of May were better than a month earlier but conditions were low for this time of year. Parts of Northern and Central Texas and the Panhandle were still hurt by continued drought. Pasture conditions in the other South Central States, were above average.

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PASTURE FEED CONDITIONS*

May 1, 1967



- PERCENT OF NORMAL
- 80 and over Good to excellent
 - 65 to 80 Poor to fair
 - 50 to 65 Very poor
 - 35 to 50 Severe drought
 - Under 35 Extreme drought

*AS REPORTED BY CROP CORRESPONDENTS

*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

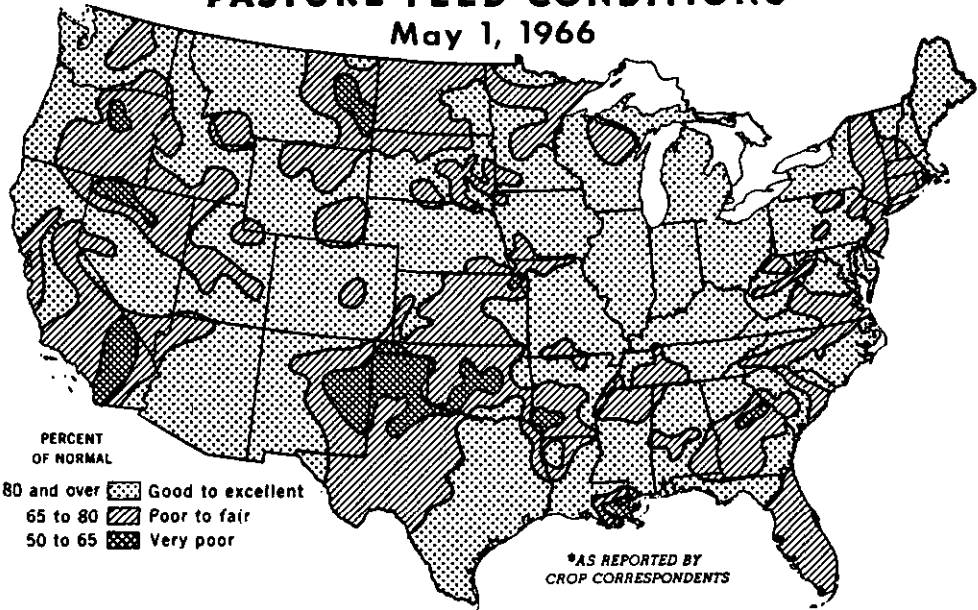
U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 197-67 (5)

STATISTICAL REPORTING SERVICE

PASTURE FEED CONDITIONS*

May 1, 1966



- PERCENT OF NORMAL
- 80 and over Good to excellent
 - 65 to 80 Poor to fair
 - 50 to 65 Very poor

*AS REPORTED BY CROP CORRESPONDENTS

*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

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NEG. SRS 175-66 (5)

STATISTICAL REPORTING SERVICE

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Wet, cold weather delayed both pasture growth and utilization in most areas of the Pacific Coast States. In California particularly soil moisture supplies were reported as ample enough to produce good to excellent grass growth as weather warms. Prospects for grazing in California were reported as "best in many years."

Table 3. -Dairy pasture feed condition, as percentage of normal, May 1, 1967, with comparisons ^{1/}

State and division	May 1, av. 1961-65	May 1 1966	May 1 1967	State and division	May 1, av. 1961-65	May 1 1966	May 1 1967
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	87	85	78	N. C.	84	83	80
N. H.	86	86	74	S. C.	81	79	73
Vt.	87	82	84	Ga.	82	81	67
Mass.	87	80	78	Fla.	72	74	54
R. I.	85	84	84	S. Atl. ..	81	82	77
Conn.	87	80	81	Ky.	83	84	92
N. Y.	85	85	88	Tenn.	83	82	81
N. J.	79	77	85	Ala.	80	82	74
Pa.	81	86	86	Miss.	79	76	88
N. Atl.	83	84	86	Ark.	80	80	91
Ohio.....	86	91	90	La.	76	83	83
Ind.	88	92	91	Okla.	79	71	73
Ill.	87	90	93	Tex.	73	79	64
Mich.	90	92	91	S. Cent. .	79	79	78
Wis.	83	84	88	Mont.	78	81	83
E. N. Cent. .	86	89	90	Idaho.....	86	84	86
Minn.	86	81	83	Wyo.	79	87	80
Iowa.....	85	85	89	Colo.	72	87	66
Mo.	80	83	89	N. Mex.	69	66	48
N. Dak.	71	73	78	Ariz.	85	87	70
S. Dak.	77	79	74	Utah.....	83	87	80
Nebr.	81	86	72	Nev.	80	76	72
Kans.	80	77	72	Wash.	85	88	82
W. N. Cent. .	82	82	82	Oreg.	86	87	84
Del.	84	90	87	Calif.	82	79	89
Md.	83	88	82	West.	82	83	82
Va.	81	82	81	U. S.	83	84	84
W. Va.	78	81	80				

^{1/} Indicates current supply of feed for grazing relative to that expected from existing stands under very favorable weather conditions. U. S. averages may differ from those published in Crop Production in that States are combined with dairy rather than all livestock weights.

Table 4. -Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, April 1967, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Apr. av. 1961-65	Apr. 1966	Mar. 1967	Apr. 1967	Apr. av. 1961-65	Apr. 1966	Mar. 1967	Apr. 1967
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	4.26	4.79	5.35	5.07	3.57	3.58	3.81	3.76
E. N. Cent. ..	3.62	4.18	4.70	4.63	2.74	2.88	3.05	3.02
W. N. Cent. ..	3.34	3.80	4.27	4.22	2.42	2.50	2.72	2.70
S. Atl.	5.26	5.66	6.24	6.12	3.34	3.43	3.72	3.72
S. Cent.	4.37	4.93	5.49	5.41	3.10	3.18	3.42	3.42
West.	4.25	4.49	4.93	4.82	3.15	3.20	3.40	3.37
U. S.								
Milk areas....	3.96	4.44	4.95	4.84	2.99	3.07	3.28	3.25
Cream areas...	-	-	-	-	2.51	2.58	2.80	2.77
Milk and cream areas.....	-	-	-	-	2.97	3.05	3.27	3.24

Table 5. -Milk-feed and milkfat-feed price ratio, by regions, April 1967, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Apr. va. 1961-65	Apr. 1966	Mar. 1967	Apr. 1967	Apr. av. 1961-65	Apr. 1966	Mar. 1967	Apr. 1967
N. Atl.	1.19	1.34	1.40	1.35	-	-	-	-
E. N. Cent. ..	1.32	1.45	1.54	1.53	20.6	20.2	19.8	19.6
W. N. Cent. ..	1.38	1.52	1.57	1.56	25.4	25.2	24.7	24.8
S. Atl.	1.57	1.65	1.68	1.65	-	-	-	-
S. Cent.	1.41	1.55	1.61	1.58	16.8	16.4	15.7	15.7
West.	1.35	1.40	1.45	1.43	18.5	18.9	19.0	19.1
U. S.	1.33	1.45	1.51	1.49	24.0	24.0	23.5	23.6

1/ Pounds of concentrate ration equal in value to 1 pound of whole milk sold by farmers.

2/ Pounds of concentrate ration equal in value to 1 pound of milkfat in cream sold by farmers.

GRAIN AND OTHER CONCENTRATES FED TO MILK COWS, 1966

Milk cows were fed 22.6 million tons of grain and other concentrates in 1966. Most of the concentrates were fed on farms where milk or cream was sold--accounting for nearly 99 percent of the total. The remainder was fed on farms where milk was produced for home use only.

North Atlantic and North Central States fed 68 percent of the U.S. total; the East North Central Region alone accounted for 28 percent. By States, Wisconsin fed the largest quantity of grains and concentrates--3,179 thousand tons, which represented 14 percent of the U.S. total. The national average of annual feeding rates was 3,200 pounds per cow in 1966. Florida's feeding rate of 5,460 pounds of grain and concentrate led the Nation. Other leading states in feeding rates were Connecticut, New Jersey, Massachusetts, and Rhode Island.

Concentrates per 100 pounds of milk produced

Grain and concentrates fed per hundred pounds of milk produced averaged 37.8 pounds in 1966. This is 3 percent more than the 36.7 pounds fed a year earlier and 11 percent more than the 1960-64 average. Relative to milk produced, the seasonal high in grain and concentrates fed was in December, at 42 pounds per hundredweight of milk, and the seasonal low was in June with 32 pounds per hundredweight.

Value of concentrate ration

The 1966 average value of concentrate ration fed to milk cows is estimated at \$3.14 per hundredweight. This is an increase of 12 cents or 4 percent above the year-earlier value of \$2.94 and compares with the 5-year average of \$2.94.

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Table 6. -Quantity and value of concentrates fed per 100 pounds of milk produced on farms where milk or cream was sold, United States, by months, 1960-64 average, 1965 and 1966 ^{1/}

Month	Concentrates fed per 100 pounds of milk			Value per 100 pounds of concentrate ration			Value of concentrates fed per 100 pounds milk produced		
	Average 1960-64	1965	1966	Average 1960-64	1965	1966	Average 1960-64	1965	1966
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>
Jan.	38	40	41	2.95	3.01	3.03	1.12	1.20	1.24
Feb.	38	39	40	2.95	3.01	3.05	1.12	1.17	1.22
Mar.	37	38	39	2.95	3.02	3.04	1.09	1.15	1.19
Apr.	35	37	38	2.95	3.02	3.05	1.03	1.12	1.16
May.	32	34	36	2.94	3.02	3.06	.94	1.03	1.10
June	27	31	32	2.94	3.04	3.10	.79	.94	.99
July	30	33	34	2.95	3.05	3.15	.88	1.01	1.07
Aug.	32	35	36	2.95	3.03	3.20	.94	1.06	1.15
Sept.	34	36	38	2.95	3.02	3.24	1.00	1.09	1.23
Oct.	35	38	39	2.93	3.01	3.23	1.03	1.14	1.26
Nov.	37	40	41	2.93	2.98	3.22	1.08	1.19	1.32
Dec.	38	41	42	2.95	3.01	3.26	1.12	1.23	1.37
Year av. ...	34.1	36.7	37.8	2.94	3.02	3.14	1.00	1.11	1.19

^{1/} "Concentrates" as used here include the grains and other concentrates that make up the concentrate ration fed to milk cows.

Table 7.-Grain and other concentrates fed to milk cows on farms where milk or cream was sold and on farms where milk was produced for home use only, by States, 1966 1/

State and division	On farms where milk or cream was sold			On farms where milk was produced for home use only		On all farms where milk was produced	
	Fed per 100 pounds milk	Fed per cow	Total fed	Fed per cow	Total fed	Fed per cow	Total fed
	Pounds	Pounds	1,000 tons	Pounds	1,000 tons	Pounds	1,000 tons
Me.	38	3,320	118	1,760	2	3,260	120
N. H.	38	3,560	71	1,960	1	3,510	72
Vt.	36	3,290	354	1,870	-	3,290	354
Mass.	38	3,900	142	1,930	1	3,880	143
R. I.	39	3,820	19	1,840	-	3,850	19
Conn.	39	3,960	136	1,970	1	3,930	137
N. Y.	35	3,340	1,845	1,740	4	3,330	1,849
N. J.	38	3,930	189	1,950	1	3,910	190
Pa.	41	3,800	1,442	1,920	8	3,780	1,450
N. Atl.	37.4	3,541	4,316	1,895	18	3,528	4,334
Ohio	39	3,710	948	2,060	13	3,670	961
Ind.	39	3,620	531	2,000	8	3,580	539
Ill.	38	3,540	671	1,860	10	3,500	681
Mich.	37	3,540	950	1,920	6	3,520	956
Wis.	35	3,200	3,176	1,670	3	3,200	3,179
E. N. Cent. .	36.5	3,388	5,276	1,951	40	3,372	6,316
Minn.	36	3,150	1,800	1,920	3	3,150	1,803
Iowa	40	3,450	1,109	2,030	14	3,420	1,123
Mo.	41	3,070	619	1,810	17	3,010	636
N. Dak.	38	2,600	249	1,510	3	2,580	252
S. Dak.	37	2,670	278	1,590	4	2,640	282
Nebr.	38	2,760	322	1,660	5	2,730	327
Kans.	39	2,950	322	1,640	7	2,900	329
W. N. Cent. .	38.0	3,090	4,699	1,783	53	3,065	4,752
Del.	41	3,550	30	1,820	-	3,590	30
Md.	41	3,550	312	1,690	4	3,510	316
Va.	38	2,790	329	1,470	10	2,720	339
W. Va.	35	2,160	80	1,190	3	2,100	83
N. C.	41	3,000	293	1,600	12	2,900	305
S. C.	46	3,180	110	1,770	7	3,030	117
Ga.	48	3,320	222	1,860	15	3,170	237
Fla.	68	5,520	486	1,690	3	5,460	489
S. Atl.	45.9	3,458	1,862	1,662	54	3,356	1,916
Ky.	41	2,740	507	1,510	20	2,660	527
Tenn.	44	2,610	453	1,460	19	2,530	472
Ala.	49	2,710	186	1,540	16	2,550	202
Miss.	50	2,360	257	1,340	16	2,260	273
Ark.	48	2,990	160	1,730	8	2,900	168
La.	49	2,630	232	1,470	14	2,510	246
Okla.	49	3,880	304	2,210	12	3,770	316
Tex.	47	3,620	669	1,980	32	3,490	701
S. Cent.	46.0	2,942	2,768	1,615	137	2,832	2,905
Mont.	30	2,080	52	1,110	2	2,020	54
Idaho	26	2,320	183	1,200	3	2,300	186
Wyo.	25	1,960	21	1,050	-	1,940	21
Colo.	35	2,940	139	1,580	3	2,880	142
N. Mex.	32	2,500	46	1,310	-	2,450	46
Ariz.	32	3,370	84	1,410	2	3,290	86
Utah	29	2,810	104	1,430	2	2,750	106
Nev.	28	2,890	18	1,260	-	2,760	18
Wash.	28	2,810	265	1,420	7	2,740	272
Oreg.	27	2,200	128	1,180	3	2,150	131
Calif.	30	3,340	1,278	1,550	6	3,320	1,284
West	29.4	2,959	2,318	1,333	28	2,916	2,346
U. S.	37.8	3,244	22,239	1,667	330	3,200	22,569

1/ Estimates are not entirely comparable with those for earlier years.

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Seasonally, the ration value ranged from \$3.03 per hundredweight in January to \$3.26 in December. The value of grain and concentrates averaged \$1.19 per hundredweight of milk produced in 1966, compared with \$1.11 in 1965 and the 1960-64 average of \$1.00.

Ration ingredients

Corn represented the largest portion of the grain and concentrates fed to milk cows in 1966, accounting for 38 percent of the ration. Commercial mixed feed made up 35 percent of the ration. These two feeds contributed large portions of the dairy ration but in different parts of the country. Corn predominated in the East North Central and West North Central Regions, while commercial mixed feed was the largest portion in other regions. Oats accounted for 14 percent of the total 1966 ration and represented more than one-fifth in both the East North Central and West North Central Regions. Barley as a feed for milk cows was more important in the West, but only represented 3 percent of the U.S. total. Sorghum grain utilized in the ration was 2 percent of the U.S. total but was more important in the South Central and West North Central Regions. Soybean meal was fed in all regions but only comprised 2 percent of the total grain and concentrates. Wheat bran and shorts also were fed in all regions but accounted for less than 2 percent of the concentrate ration fed to milk cows. Nationally, cottonseed meal, dried beet pulp, dried citrus pulp, and wheat each represented less than 1 percent of the U.S. total, although they were important ingredients of the ration in some areas.

Slight decline in home-grown feeds

Home-grown feeds made up 42.2 percent of the total concentrate ration fed to milk cows in 1966 compared with 42.3 percent in 1965. A larger percentage of the corn and oats in the 1966 concentrate ration was home-grown than a year earlier. However, the percentage of barley home-grown was smaller. Home-grown feeds were more important in the East and West North Central Regions with large feed-grain production.

More attractive milk-feed price ratio

The milk-feed price ratio in 1966 averaged 1.53 which is 9 percent more than the 1.40 for 1965. The 1966 milk-feed price ratio ranged from 1.40 in June to 1.67 in October and November. The ratio was at a record high level for all months during 1966, except January. Regionally, the annual average varied from 1.42 in the North Atlantic to 1.69 in the South Atlantic. In cream producing areas, the milkfat-feed price ratio averaged 24.3 in 1966 compared with 23.6 in 1965.

Table 8.-Individual feeds as percentage of the total concentrate ration fed to milk cows in herds kept by dairy reporters, by States, 1966 ^{1/}

State and division	Grains					Cotton seed meal	Soybean meal	Wheat bran, shorts	Dried beet pulp	Dried citrus pulp	Commercial mixed feed	Misc. other
	Corn	Oats	Barley	Wheat	Sorghum							
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me.	2	2	-	-	-	-	-	-	1	1	94	-
N. H.	3	1	-	-	-	-	-	-	2	1	92	1
Vt.	4	4	-	-	-	-	-	2	-	2	85	3
Mass.	6	4	-	-	-	-	-	2	2	7	76	3
R. I.	-	-	-	-	-	-	-	-	4	4	91	1
Conn.	3	2	-	-	-	-	-	-	2	-	89	4
N. Y.	13	10	1	-	-	-	1	1	-	-	67	7
N. J.	18	4	6	-	-	-	2	1	1	-	62	6
Pa.	37	13	3	-	-	-	3	2	1	-	35	6
N. Atl. ...	19.4	9.4	1.7	-	-	-	1.5	1.4	.6	.5	59.8	5.7
Ohio	66	14	-	1	-	-	4	1	-	-	12	2
Ind.	71	11	-	1	-	-	3	1	-	-	12	1
Ill.	70	13	-	-	-	-	2	1	-	-	13	1
Mich.	66	20	1	1	-	-	3	-	-	-	7	2
Wis.	51	30	1	-	-	-	2	3	1	-	7	5
E. N. Cent.	59.3	22.6	.7	.4	-	-	2.5	1.9	.5	-	8.8	3.3
Minn.	60	27	1	-	-	-	2	1	1	-	8	-
Iowa	76	14	-	-	-	-	1	1	-	-	8	-
Mo.	44	4	1	-	4	2	3	4	-	-	38	-
N. Dak.	3	80	10	3	-	-	-	-	-	-	3	1
S. Dak.	42	41	3	-	1	-	1	-	-	-	10	2
Nebr.	55	6	1	1	17	-	1	1	-	-	17	1
Kans.	15	3	7	2	44	-	6	6	-	-	16	1
W. N. Cent.	54.1	21.4	1.8	.4	4.8	.3	1.9	1.6	.4	-	13.0	.3
Del.	45	4	14	-	-	1	-	1	-	1	28	6
Md.	43	5	13	-	-	1	6	2	-	1	24	5
Va.	34	3	7	-	-	1	2	2	-	-	47	4
W. Va.	29	4	6	-	-	-	2	1	-	-	57	1
N. C.	30	3	3	-	1	2	3	1	-	-	56	1
S. C.	38	6	2	-	-	4	1	-	-	5	41	3
Ga.	23	4	-	-	-	5	-	1	-	12	52	3
Fla.	14	-	-	-	-	1	12	-	-	17	48	8
S. Atl. ...	28.5	2.9	4.5	-	.2	1.8	5.1	1.0	-	6.3	45.2	4.5
Ky.	61	1	1	-	-	2	2	1	-	-	31	1
Tenn.	35	3	-	-	-	4	1	2	-	-	53	2
Ala.	37	2	-	-	-	3	2	1	-	2	52	1
Miss.	24	1	-	-	-	5	-	1	-	-	66	3
Ark.	10	2	-	-	1	1	3	3	-	1	77	2
La.	10	1	-	-	2	3	2	2	-	-	78	2
Okla.	7	7	8	-	21	4	-	7	-	-	44	2
Tex.	6	3	-	-	26	5	1	3	-	-	54	2
S. Cent. ...	25.3	2.6	1.1	-	8.8	3.6	1.2	2.5	-	.2	52.9	1.8
Mont.	1	15	42	3	-	-	-	2	3	-	32	2
Idaho	4	7	43	5	-	-	-	1	12	-	14	14
Wyo.	-	15	62	4	3	-	-	-	1	-	13	2
Colo.	18	6	11	4	12	-	1	-	2	-	46	-
N. Mex.	1	3	6	2	40	-	1	5	1	-	31	10
Ariz.	-	-	17	-	14	-	-	4	1	-	64	-
Utah	1	2	47	4	-	-	-	1	11	-	33	1
Nev.	-	-	20	-	5	-	-	-	-	-	75	-
Wash.	-	3	3	-	1	-	-	3	2	-	86	2
Oreg.	-	3	4	2	-	-	-	2	1	-	87	1
Calif.	1	1	5	-	1	-	-	1	1	-	88	2
West	2.0	2.6	11.9	1.1	2.8	-	.1	1.4	2.5	-	72.8	2.8
U. S.	37.7	13.6	2.6	.3	2.4	.7	2.0	1.7	.6	.6	34.8	3.0

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

Table 9.-Home-grown feeds as percentage of total of that kind used in the concentrate ration fed to milk cows kept by dairy reporters, by States, 1965 and 1966 ^{1/}

State and division	Total concentrate ration		Corn		Oats		Barley	
	1965	1966	1965	1966	1965	1966	1965	1966
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me.	@	@	@	@	@	@	-	-
N. H.	@	@	@	@	5	@	-	-
Vt.	1	1	5	@	36	25	-	-
Mass.	@	@	@	@	@	@	-	-
R. I.	@	@	@	-	@	-	-	-
Conn.	1	@	23	10	@	@	-	-
N. Y.	17	18	42	61	84	91	-	82
N. J.	18	22	55	86	36	63	68	61
Pa.	40	40	67	68	77	79	86	89
N. Atl.	21.0	22.1	55.9	64.2	74.7	80.1	82.0	82.9
Ohio	73	71	88	87	90	89	90	-
Ind.	72	72	87	88	77	77	-	-
Ill.	78	74	91	89	89	87	86	-
Mich.	74	66	78	72	89	80	74	65
Wis.	59	65	65	76	83	86	56	76
E. N. Cent.	66.5	67.7	77.1	80.0	84.9	85.2	68.3	73.6
Minn.	71	78	79	88	82	89	80	81
Iowa	80	78	90	88	87	82	-	-
Mo.	35	33	69	61	92	61	63	68
N. Dak.	85	91	66	88	88	96	85	95
S. Dak.	73	66	80	74	87	77	65	61
Nebr.	58	62	77	79	55	60	43	50
Kans.	39	44	78	51	47	55	38	30
W. N. Cent.	66.0	68.5	81.3	83.1	83.6	86.4	70.4	67.3
Del.	46	42	77	68	90	82	60	58
Md.	46	39	71	61	82	60	86	67
Va.	21	23	38	45	75	61	75	82
W. Va.	23	20	50	46	68	48	80	76
N. C.	25	19	59	47	56	62	46	66
S. C.	23	19	50	37	63	56	89	62
Ga.	12	13	35	46	49	65	67	-
Fla.	5	3	38	25	-	-	-	-
S. Atl.	21.7	18.7	52.4	46.9	69.2	60.7	76.0	70.9
Ky.	51	37	75	57	54	53	-	91
Tenn.	33	23	68	60	58	67	-	-
Ala.	12	13	32	33	35	30	-	-
Miss.	17	14	49	54	31	36	-	-
Ark.	5	4	35	28	20	30	-	-
La.	4	3	29	29	22	20	-	-
Okla.	16	11	34	27	39	33	44	29
Tex.	6	5	17	23	25	21	15	-
S. Cent.	21.1	15.5	59.3	50.6	37.9	36.9	38.9	39.5
Mont.	30	28	38	35	68	54	44	39
Idaho	45	41	87	80	77	61	53	46
Wyo.	39	37	50	-	71	40	50	48
Colo.	14	15	32	21	27	38	23	43
N. Mex.	5	5	42	42	@	5	@	46
Ariz.	10	13	50	-	-	-	54	44
Utah	32	30	50	15	56	60	64	57
Nev.	26	16	-	-	-	-	50	78
Wash.	3	4	37	-	71	56	20	48
Oreg.	4	5	62	-	38	60	51	48
Calif.	1	1	@	15	@	10	16	-15
West.	8.5	8.4	29.5	28.7	46.0	43.2	44.7	40.5
U. S.	42.3	42.2	72.3	74.6	80.9	82.5	59.0	56.2

^{1/} Percentages shown are 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 in milk cow rations. @ Less than .5 of 1 percent. - 11 -

Table 10.-Estimated value per 100 pounds of concentrate ration fed to milk cows, by States and months, 1966 1/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
Me.	3.76	3.74	3.76	3.78	3.80	3.83	3.86	3.88	3.96	4.04	4.08	4.12	3.88
N. H.	3.70	3.63	3.61	3.60	3.64	3.68	3.74	3.88	3.96	4.00	4.04	4.04	3.79
Vt.	3.74	3.73	3.73	3.73	3.73	3.75	3.77	3.84	3.88	3.96	4.02	4.04	3.83
Mass.	3.72	3.68	3.65	3.62	3.64	3.68	3.72	3.80	3.88	3.96	4.04	4.04	3.79
R. I.	3.80	3.74	3.68	3.62	3.58	3.64	3.72	3.80	3.88	3.90	3.90	3.98	3.77
Conn.	3.78	3.74	3.68	3.63	3.64	3.68	3.72	3.80	3.88	3.96	4.04	4.12	3.81
N. Y.	3.62	3.62	3.62	3.60	3.60	3.64	3.66	3.70	3.76	3.80	3.85	3.88	3.70
N. J.	3.64	3.67	3.67	3.68	3.70	3.75	3.79	3.83	3.88	3.93	3.96	3.98	3.79
Pa.	3.42	3.44	3.47	3.48	3.48	3.50	3.54	3.60	3.67	3.72	3.72	3.75	3.57
N. Atl.	3.58	3.58	3.58	3.58	3.56	3.60	3.64	3.68	3.74	3.80	3.83	3.86	3.67
Ohio	2.96	2.94	2.92	2.89	2.92	3.00	3.04	3.08	3.14	3.18	3.20	3.16	3.04
Ind.	2.76	2.80	2.84	2.88	2.93	2.98	3.01	3.04	3.08	3.06	3.01	3.04	2.95
Ill.	2.62	2.66	2.69	2.72	2.76	2.84	2.92	3.02	2.98	2.96	2.90	2.94	2.83
Mich.	2.88	2.92	2.96	3.00	3.02	3.04	3.06	3.08	3.12	3.16	3.12	3.16	3.04
Wis.	2.82	2.86	2.86	2.88	2.90	2.92	2.94	2.95	2.98	2.97	2.94	2.97	2.92
E. N. Cent.	2.84	2.89	2.86	2.88	2.90	2.94	3.00	3.06	3.08	3.02	2.98	3.04	2.96
Minn.	2.56	2.52	2.54	2.58	2.62	2.68	2.74	2.77	2.76	2.75	2.70	2.74	2.66
Iowa	2.32	2.36	2.38	2.40	2.46	2.52	2.58	2.66	2.72	2.68	2.64	2.68	2.53
Mo.	2.84	2.88	2.86	2.87	2.90	2.92	2.95	2.99	3.03	3.06	3.02	3.04	2.95
N. Dak.	1.76	1.81	1.84	1.82	1.86	1.88	1.90	1.92	1.94	1.96	1.94	1.96	1.88
S. Dak.	2.14	2.16	2.14	2.18	2.20	2.24	2.28	2.30	2.34	2.37	2.34	2.35	2.25
Nebr.	2.30	2.34	2.32	2.36	2.42	2.48	2.54	2.58	2.60	2.56	2.52	2.56	2.46
Kans.	2.54	2.56	2.54	2.56	2.58	2.60	2.64	2.68	2.74	2.74	2.70	2.74	2.64
W. N. Cent.	2.50	2.50	2.47	2.50	2.52	2.60	2.68	2.75	2.78	2.74	2.70	2.74	2.62
Del.	3.36	3.49	3.52	3.58	3.65	3.70	3.76	3.76	3.76	3.72	3.72	3.74	3.65
Md.	3.38	3.44	3.40	3.46	3.50	3.52	3.54	3.56	3.64	3.70	3.75	3.78	3.56
Va.	3.48	3.54	3.56	3.56	3.56	3.54	3.60	3.68	3.74	3.68	3.70	3.76	3.62
W. Va.	3.78	3.82	3.78	3.73	3.71	3.76	3.80	3.86	3.90	3.95	3.92	3.96	3.83
N. C.	3.46	3.48	3.48	3.47	3.47	3.52	3.58	3.66	3.72	3.66	3.68	3.72	3.58
S. C.	3.47	3.50	3.50	3.50	3.50	3.46	3.52	3.56	3.60	3.64	3.64	3.67	3.55
Ge.	3.40	3.42	3.45	3.45	3.48	3.56	3.61	3.64	3.64	3.66	3.68	3.72	3.56
Fla.	3.10	3.12	3.12	3.15	3.18	3.22	3.26	3.32	3.36	3.40	3.38	3.42	3.25
S. Atl.	3.38	3.42	3.42	3.43	3.44	3.48	3.52	3.55	3.59	3.62	3.64	3.67	3.51
Ky.	3.14	3.20	3.24	3.28	3.30	3.30	3.30	3.34	3.36	3.40	3.35	3.38	3.30
Tenn.	3.18	3.22	3.27	3.32	3.32	3.32	3.32	3.36	3.42	3.36	3.36	3.40	3.32
Ala.	3.16	3.24	3.27	3.24	3.24	3.27	3.35	3.44	3.48	3.52	3.52	3.56	3.36
Miss.	3.14	3.17	3.20	3.23	3.23	3.26	3.30	3.34	3.36	3.40	3.36	3.40	3.28
Ark.	3.16	3.16	3.14	3.14	3.14	3.18	3.22	3.24	3.28	3.32	3.36	3.40	3.23
La.	3.31	3.31	3.30	3.28	3.32	3.38	3.44	3.47	3.52	3.57	3.60	3.64	3.43
Okla.	2.92	2.94	2.94	2.92	2.92	2.95	3.01	3.04	3.08	3.08	3.12	3.16	3.01
Tex.	3.08	3.08	3.06	3.03	3.03	3.02	3.08	3.14	3.19	3.19	3.22	3.28	3.12
S. Cent.	3.12	3.17	3.19	3.18	3.18	3.20	3.24	3.28	3.32	3.32	3.32	3.38	3.24
Mont.	2.38	2.44	2.44	2.45	2.43	2.40	2.39	2.43	2.47	2.52	2.52	2.56	2.45
Idaho	2.66	2.66	2.67	2.70	2.74	2.78	2.83	2.83	2.80	2.76	2.71	2.75	2.74
Wyo.	2.60	2.58	2.60	2.62	2.62	2.62	2.64	2.66	2.68	2.70	2.70	2.72	2.64
Colo.	2.90	2.85	2.88	2.94	3.00	3.04	3.06	3.04	3.02	3.00	2.98	2.98	2.97
N. Mex.	3.28	3.30	3.30	3.30	3.34	3.36	3.38	3.38	3.34	3.34	3.36	3.38	3.34
Ariz.	3.72	3.78	3.74	3.70	3.68	3.66	3.62	3.59	3.59	3.58	3.58	3.59	3.65
Utah	2.98	3.03	2.98	3.00	3.00	3.02	3.03	3.05	3.06	3.07	3.09	3.12	3.04
Nev.	3.32	3.28	3.24	3.20	3.20	3.22	3.26	3.30	3.34	3.38	3.44	3.40	3.30
Wash.	3.40	3.37	3.38	3.39	3.40	3.37	3.40	3.42	3.44	3.48	3.50	3.50	3.42
Oreg.	3.44	3.47	3.46	3.41	3.41	3.46	3.49	3.52	3.55	3.57	3.55	3.57	3.49
Calif.	3.24	3.26	3.24	3.24	3.24	3.26	3.27	3.30	3.34	3.38	3.40	3.44	3.30
West	3.18	3.21	3.21	3.20	3.19	3.21	3.23	3.24	3.28	3.30	3.32	3.34	3.24
U. S.:													
Milk areas 2/	3.04	3.07	3.06	3.07	3.07	3.11	3.17	3.21	3.25	3.24	3.23	3.28	3.15
Cream areas 2/	2.58	2.58	2.56	2.58	2.60	2.67	2.75	2.81	2.84	2.80	2.77	2.81	2.70
All areas	3.03	3.05	3.04	3.05	3.06	3.10	3.15	3.20	3.24	3.23	3.22	3.26	3.14

See footnotes on page 16.

Table 11.-Estimated value per 100 pounds of concentrate ration fed to milk cows, by States and months, 1965 1/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
Me.	3.96	3.88	3.84	3.79	3.78	3.76	3.75	3.75	3.76	3.77	3.79	3.81	3.80
N. H.	3.90	3.87	3.82	3.78	3.75	3.70	3.70	3.73	3.73	3.71	3.71	3.74	3.76
Vt.	3.90	3.86	3.81	3.76	3.74	3.70	3.68	3.68	3.70	3.73	3.76	3.78	3.76
Mass.	3.86	3.82	3.80	3.76	3.72	3.68	3.64	3.66	3.68	3.72	3.74	3.76	3.74
R. I.	3.80	3.78	3.74	3.74	3.73	3.72	3.71	3.73	3.75	3.77	3.80	3.82	3.76
Conn.	3.97	3.90	3.84	3.80	3.82	3.78	3.74	3.74	3.76	3.78	3.78	3.82	3.81
N. Y.	3.59	3.61	3.58	3.56	3.54	3.56	3.58	3.60	3.60	3.59	3.57	3.60	3.58
N. J.	3.66	3.65	3.64	3.62	3.61	3.61	3.60	3.60	3.58	3.56	3.58	3.62	3.61
Pa.	3.39	3.40	3.41	3.40	3.42	3.44	3.44	3.46	3.46	3.44	3.42	3.41	3.42
N. Atl. ..	3.60	3.58	3.57	3.56	3.54	3.54	3.56	3.57	3.56	3.56	3.54	3.58	3.56
Ohio	2.80	2.84	2.88	2.92	2.95	2.98	3.02	3.00	3.00	3.00	2.96	2.98	2.94
Ind.	2.79	2.81	2.82	2.82	2.84	2.86	2.84	2.80	2.78	2.74	2.70	2.72	2.79
Ill.	2.58	2.62	2.64	2.66	2.68	2.68	2.66	2.62	2.58	2.57	2.55	2.58	2.62
Mich.	2.94	2.94	2.92	2.90	2.90	2.91	2.92	2.89	2.92	2.94	2.88	2.86	2.91
Wis.	2.76	2.78	2.80	2.83	2.86	2.86	2.88	2.86	2.84	2.82	2.80	2.78	2.82
E. N. Cent.	2.80	2.81	2.82	2.82	2.83	2.85	2.88	2.86	2.85	2.85	2.82	2.82	2.83
Minn.	2.64	2.65	2.68	2.70	2.70	2.68	2.66	2.65	2.64	2.64	2.64	2.60	2.66
Iowa	2.36	2.40	2.42	2.43	2.43	2.43	2.42	2.38	2.34	2.30	2.26	2.28	2.37
Mo.	2.80	2.84	2.88	2.92	2.90	2.88	2.86	2.82	2.80	2.76	2.78	2.82	2.84
N. Dak.	1.74	1.78	1.80	1.82	1.82	1.80	1.78	1.74	1.72	1.70	1.70	1.72	1.76
S. Dak.	2.14	2.16	2.18	2.19	2.19	2.18	2.18	2.16	2.14	2.12	2.08	2.10	2.15
Nebr.	2.38	2.40	2.42	2.43	2.43	2.43	2.41	2.36	2.32	2.28	2.22	2.26	2.36
Kans.	2.58	2.60	2.62	2.62	2.62	2.62	2.60	2.58	2.54	2.48	2.46	2.50	2.57
W. N. Cent.	2.50	2.52	2.52	2.54	2.56	2.58	2.56	2.53	2.53	2.50	2.45	2.50	2.52
Del.	3.28	3.32	3.32	3.30	3.30	3.32	3.32	3.28	3.24	3.19	3.24	3.28	3.28
Md.	3.34	3.38	3.36	3.36	3.36	3.40	3.42	3.38	3.32	3.26	3.30	3.35	3.35
Va.	3.50	3.54	3.56	3.58	3.58	3.54	3.52	3.54	3.48	3.44	3.40	3.44	3.51
W. Va.	3.82	3.84	3.80	3.76	3.76	3.78	3.80	3.84	3.80	3.76	3.72	3.76	3.79
N. C.	3.48	3.50	3.52	3.48	3.50	3.48	3.48	3.48	3.42	3.36	3.38	3.42	3.46
S. C.	3.42	3.44	3.44	3.46	3.48	3.48	3.48	3.48	3.40	3.34	3.36	3.40	3.43
Ga.	3.34	3.36	3.36	3.38	3.38	3.38	3.40	3.36	3.32	3.32	3.34	3.37	3.36
Fla.	3.08	3.06	3.04	3.04	3.06	3.08	3.10	3.12	3.16	3.16	3.12	3.08	3.09
S. Atl. ..	3.38	3.38	3.39	3.39	3.40	3.38	3.36	3.38	3.34	3.30	3.32	3.36	3.36
Ky.	3.16	3.20	3.24	3.24	3.24	3.22	3.20	3.16	3.10	3.04	3.08	3.12	3.17
Tenn.	3.16	3.18	3.18	3.20	3.20	3.22	3.24	3.22	3.16	3.10	3.06	3.12	3.17
Ala.	3.12	3.16	3.16	3.14	3.16	3.16	3.20	3.18	3.14	3.08	3.04	3.08	3.14
Miss.	3.08	3.08	3.10	3.12	3.12	3.14	3.18	3.18	3.12	3.06	3.04	3.08	3.11
Ark.	3.08	3.06	3.04	3.02	3.02	3.04	3.07	3.09	3.09	3.09	3.12	3.14	3.07
La.	3.37	3.37	3.34	3.30	3.32	3.32	3.32	3.30	3.28	3.26	3.24	3.28	3.31
Okla.	2.90	2.93	2.93	2.93	2.92	2.90	2.88	2.90	2.88	2.84	2.86	2.88	2.90
Tex.	3.06	3.03	3.01	2.98	2.98	2.96	2.96	2.96	2.96	2.96	2.99	3.03	2.99
S. Cent. .	3.10	3.12	3.13	3.12	3.12	3.14	3.16	3.15	3.12	3.08	3.08	3.10	3.12
Mont.	2.32	2.36	2.38	2.40	2.42	2.42	2.43	2.40	2.38	2.36	2.34	2.32	2.38
Idaho	2.70	2.72	2.74	2.75	2.73	2.73	2.70	2.68	2.66	2.64	2.66	2.68	2.70
Wyo.	2.73	2.74	2.73	2.72	2.70	2.70	2.67	2.65	2.60	2.58	2.60	2.62	2.67
Colo.	2.98	3.00	3.02	3.00	3.00	3.00	2.98	2.92	2.88	2.91	2.91	2.96	2.96
N. Mex.	3.38	3.40	3.38	3.36	3.34	3.34	3.34	3.32	3.32	3.32	3.30	3.28	3.34
Ariz.	3.64	3.68	3.70	3.70	3.70	3.72	3.70	3.70	3.68	3.66	3.62	3.66	3.68
Utah	2.92	2.94	2.96	2.97	2.98	2.98	2.98	2.98	2.96	2.94	2.92	2.94	2.96
Nev.	3.32	3.30	3.30	3.29	3.29	3.31	3.34	3.28	3.34	3.36	3.40	3.40	3.33
Wash.	3.33	3.33	3.32	3.32	3.32	3.33	3.33	3.34	3.35	3.36	3.38	3.42	3.34
Oreg.	3.29	3.32	3.32	3.32	3.32	3.32	3.36	3.40	3.40	3.40	3.36	3.40	3.35
Calif.	3.28	3.24	3.22	3.20	3.20	3.20	3.20	3.20	3.18	3.16	3.18	3.20	3.20
West.	3.17	3.17	3.17	3.18	3.18	3.20	3.20	3.18	3.16	3.18	3.16	3.18	3.18
U. S. :													
Milk areas 2/	3.02	3.03	3.03	3.03	3.04	3.05	3.06	3.05	3.03	3.02	3.00	3.02	3.03
Cream areas 2/	2.57	2.59	2.59	2.61	2.62	2.64	2.63	2.60	2.60	2.57	2.53	2.57	2.59
All areas ..	3.01	3.01	3.02	3.02	3.02	3.04	3.05	3.03	3.02	3.01	2.98	3.01	3.02

See footnotes on page 16.

Table 12.-Milk-feed price ratios, by States and months, 1966 1/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Me.	1.53	1.54	1.53	1.46	1.36	1.31	1.46	1.51	1.59	1.63	1.62	1.57	1.51
N. H.	1.58	1.61	1.62	1.57	1.46	1.41	1.59	1.57	1.65	1.69	1.67	1.63	1.59
Vt.	1.39	1.41	1.39	1.31	1.23	1.23	1.41	1.43	1.52	1.54	1.50	1.47	1.40
Mass.	1.61	1.64	1.64	1.59	1.48	1.45	1.64	1.64	1.73	1.74	1.71	1.58	1.62
R. I.	1.59	1.63	1.66	1.60	1.52	1.48	1.64	1.66	1.73	1.78	1.77	1.61	1.64
Conn.	1.60	1.63	1.64	1.56	1.44	1.43	1.68	1.67	1.77	1.74	1.72	1.64	1.63
N. Y.	1.31	1.31	1.28	1.24	1.19	1.20	1.34	1.42	1.44	1.47	1.45	1.39	1.34
N. J.	1.48	1.48	1.46	1.41	1.35	1.32	1.42	1.51	1.54	1.54	1.50	1.45	1.46
Pa.	1.49	1.45	1.44	1.42	1.36	1.36	1.45	1.49	1.54	1.56	1.59	1.55	1.48
N. Atl. ..	1.41	1.40	1.39	1.34	1.29	1.28	1.41	1.48	1.52	1.54	1.54	1.48	1.42
Ohio	1.62	1.64	1.64	1.62	1.55	1.49	1.57	1.70	1.77	1.79	1.80	1.80	1.67
Ind.	1.67	1.64	1.62	1.55	1.45	1.43	1.50	1.64	1.79	1.81	1.86	1.81	1.65
Ill.	1.60	1.58	1.56	1.53	1.47	1.41	1.44	1.51	1.61	1.69	1.71	1.68	1.57
Mich.	1.51	1.52	1.50	1.52	1.49	1.45	1.52	1.66	1.68	1.68	1.73	1.71	1.58
Wis.	1.36	1.38	1.41	1.37	1.36	1.38	1.46	1.54	1.59	1.61	1.60	1.55	1.47
E. N. Cent.	1.46	1.46	1.49	1.45	1.42	1.41	1.47	1.56	1.63	1.69	1.70	1.64	1.53
Minn.	1.36	1.40	1.41	1.41	1.40	1.40	1.51	1.56	1.63	1.61	1.60	1.55	1.49
Iowa	1.64	1.61	1.62	1.60	1.52	1.51	1.61	1.65	1.69	1.75	1.74	1.70	1.64
Mo.	1.53	1.53	1.52	1.46	1.40	1.39	1.46	1.54	1.62	1.67	1.69	1.64	1.54
N. Dak.	2.02	1.96	1.96	1.98	1.94	1.89	2.05	2.16	2.24	2.24	2.27	2.24	2.08
S. Dak.	1.73	1.71	1.75	1.72	1.66	1.65	1.78	1.85	1.92	1.94	1.88	1.89	1.79
Nebr.	1.80	1.75	1.79	1.63	1.53	1.49	1.63	1.69	1.85	1.93	1.98	1.86	1.74
Kans.	1.75	1.76	1.75	1.70	1.63	1.62	1.70	1.75	1.86	1.88	1.91	1.88	1.77
W. N. Cent.	1.50	1.51	1.54	1.52	1.50	1.47	1.56	1.60	1.68	1.72	1.70	1.65	1.58
Del.	1.64	1.56	1.55	1.47	1.38	1.38	1.49	1.52	1.60	1.64	1.63	1.63	1.54
Md.	1.61	1.58	1.59	1.52	1.43	1.42	1.55	1.57	1.62	1.64	1.60	1.63	1.56
Va.	1.58	1.57	1.53	1.49	1.40	1.43	1.46	1.47	1.51	1.60	1.64	1.64	1.53
W. Va.	1.36	1.35	1.38	1.35	1.29	1.28	1.38	1.40	1.46	1.48	1.49	1.46	1.39
N. C.	1.74	1.76	1.73	1.70	1.67	1.61	1.63	1.69	1.73	1.78	1.80	1.76	1.72
S. C.	1.73	1.77	1.69	1.61	1.59	1.63	1.56	1.69	1.89	1.85	1.85	1.80	1.72
Ga.	1.84	1.86	1.77	1.74	1.72	1.63	1.63	1.63	1.72	1.78	1.78	1.76	1.74
Fla.	2.05	2.07	2.02	1.98	1.93	1.94	2.01	2.05	2.13	2.12	2.12	2.06	2.04
S. Atl. ..	1.73	1.73	1.69	1.65	1.59	1.57	1.63	1.67	1.74	1.77	1.77	1.76	1.69
Ky.	1.46	1.42	1.37	1.25	1.21	1.21	1.30	1.36	1.50	1.57	1.63	1.61	1.41
Tenn.	1.56	1.55	1.47	1.37	1.36	1.36	1.42	1.49	1.58	1.68	1.71	1.69	1.52
Ala.	1.88	1.81	1.77	1.76	1.73	1.71	1.72	1.64	1.72	1.73	1.76	1.71	1.74
Miss.	1.78	1.78	1.70	1.61	1.58	1.53	1.62	1.66	1.76	1.84	1.88	1.82	1.71
Ark.	1.65	1.61	1.59	1.53	1.46	1.45	1.51	1.59	1.68	1.73	1.74	1.72	1.60
La.	1.83	1.87	1.82	1.72	1.73	1.70	1.77	1.80	1.85	1.90	1.86	1.80	1.80
Okla.	1.71	1.72	1.70	1.64	1.61	1.59	1.69	1.76	1.82	1.92	1.88	1.85	1.74
Tex.	1.83	1.85	1.83	1.80	1.78	1.79	1.93	1.94	2.02	2.04	2.02	1.95	1.90
S. Cent. .	1.71	1.68	1.63	1.55	1.52	1.51	1.59	1.64	1.74	1.81	1.83	1.78	1.67
Mont.	2.02	1.95	1.93	1.88	1.83	1.79	1.90	1.91	2.00	2.04	2.10	2.09	1.95
Idaho	1.45	1.45	1.44	1.39	1.35	1.35	1.41	1.50	1.57	1.63	1.66	1.64	1.49
Wyo.	1.65	1.71	1.67	1.64	1.60	1.58	1.65	1.75	1.87	1.91	1.96	1.89	1.74
Colo.	1.81	1.84	1.84	1.77	1.67	1.63	1.68	1.78	1.94	1.98	1.98	2.00	1.83
N. Mex.	1.69	1.68	1.67	1.65	1.56	1.52	1.66	1.70	1.84	1.89	1.86	1.80	1.71
Ariz.	1.47	1.44	1.43	1.41	1.39	1.39	1.55	1.66	1.75	1.79	1.76	1.74	1.56
Utah	1.51	1.49	1.49	1.48	1.43	1.42	1.47	1.54	1.65	1.68	1.67	1.65	1.54
Nev.	1.66	1.63	1.60	1.59	1.56	1.54	1.60	1.61	1.65	1.69	1.70	1.74	1.63
Wash.	1.34	1.35	1.38	1.33	1.28	1.32	1.47	1.49	1.58	1.57	1.54	1.53	1.43
Oreg.	1.45	1.41	1.36	1.36	1.32	1.33	1.36	1.49	1.56	1.57	1.62	1.61	1.45
Calif.	1.48	1.45	1.42	1.37	1.36	1.36	1.39	1.44	1.48	1.46	1.47	1.47	1.43
West.	1.49	1.46	1.44	1.40	1.38	1.38	1.44	1.50	1.55	1.56	1.56	1.56	1.48
U. S.	1.49	1.49	1.49	1.45	1.41	1.40	1.49	1.56	1.63	1.67	1.67	1.62	1.53

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. Ratios are preliminary for 1966.

Table 13.-Milk-feed price ratios, by States and months, 1965 1/

State and division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Me.	1.36	1.38	1.34	1.24	1.20	1.18	1.33	1.39	1.45	1.54	1.54	1.50	1.37
N. H.	1.42	1.42	1.39	1.31	1.27	1.28	1.41	1.47	1.53	1.60	1.63	1.59	1.44
Vt.	1.27	1.27	1.22	1.16	1.11	1.12	1.25	1.32	1.38	1.42	1.45	1.40	1.28
Mass.	1.49	1.49	1.45	1.37	1.32	1.33	1.48	1.53	1.60	1.65	1.67	1.64	1.50
R. I.	1.53	1.53	1.48	1.39	1.33	1.33	1.46	1.51	1.57	1.63	1.66	1.62	1.50
Conn.	1.45	1.46	1.43	1.33	1.24	1.27	1.47	1.50	1.60	1.63	1.65	1.61	1.47
N. Y.	1.25	1.22	1.18	1.13	1.08	1.08	1.19	1.27	1.32	1.36	1.41	1.34	1.24
N. J.	1.42	1.37	1.35	1.26	1.18	1.24	1.36	1.43	1.49	1.54	1.56	1.51	1.39
Pa.	1.46	1.43	1.39	1.33	1.26	1.25	1.34	1.37	1.45	1.49	1.53	1.51	1.40
N. Atl. ...	1.34	1.32	1.28	1.21	1.16	1.16	1.27	1.34	1.41	1.45	1.49	1.43	1.32
Ohio.....	1.63	1.58	1.51	1.40	1.32	1.29	1.29	1.39	1.49	1.54	1.63	1.63	1.48
Ind.	1.54	1.51	1.47	1.38	1.30	1.28	1.32	1.41	1.58	1.66	1.74	1.73	1.49
Ill.	1.53	1.49	1.42	1.39	1.34	1.31	1.35	1.41	1.51	1.60	1.63	1.63	1.47
Mich.	1.43	1.45	1.44	1.43	1.38	1.36	1.35	1.40	1.42	1.46	1.55	1.57	1.44
Wis.	1.28	1.25	1.22	1.21	1.19	1.18	1.18	1.23	1.31	1.35	1.38	1.40	1.26
E. N. Cent.	1.38	1.36	1.33	1.30	1.27	1.25	1.25	1.31	1.40	1.44	1.49	1.50	1.36
Minn.	1.24	1.23	1.21	1.20	1.20	1.20	1.23	1.27	1.34	1.36	1.35	1.37	1.27
Iowa.....	1.53	1.48	1.45	1.42	1.40	1.38	1.38	1.45	1.56	1.61	1.68	1.71	1.50
Mo.	1.48	1.43	1.39	1.25	1.21	1.22	1.24	1.33	1.43	1.54	1.56	1.58	1.39
N. Dak.	1.93	1.85	1.81	1.79	1.73	1.72	1.77	1.90	2.01	2.09	2.09	2.06	1.90
S. Dak.	1.59	1.57	1.54	1.53	1.48	1.49	1.49	1.55	1.64	1.70	1.78	1.79	1.60
Nebr.	1.64	1.62	1.57	1.46	1.38	1.36	1.45	1.50	1.70	1.78	1.85	1.77	1.59
Kans.	1.69	1.65	1.60	1.49	1.43	1.41	1.44	1.51	1.61	1.71	1.77	1.76	1.59
W. N. Cent.	1.41	1.39	1.37	1.34	1.31	1.29	1.32	1.38	1.47	1.52	1.56	1.54	1.41
Del.	1.63	1.61	1.58	1.45	1.39	1.40	1.55	1.57	1.65	1.71	1.73	1.69	1.58
Md.	1.59	1.55	1.50	1.41	1.34	1.37	1.45	1.45	1.57	1.66	1.67	1.64	1.52
Va.	1.53	1.53	1.46	1.38	1.28	1.31	1.35	1.34	1.45	1.53	1.60	1.60	1.45
W. Va.	1.34	1.32	1.28	1.18	1.13	1.12	1.16	1.21	1.29	1.34	1.38	1.38	1.26
N. C.	1.70	1.70	1.69	1.64	1.59	1.56	1.59	1.59	1.73	1.79	1.81	1.75	1.68
S. C.	1.75	1.74	1.73	1.65	1.61	1.58	1.58	1.67	1.79	1.81	1.79	1.76	1.70
Ca.	1.84	1.85	1.82	1.73	1.67	1.63	1.69	1.73	1.84	1.88	1.84	1.81	1.78
Fla.	2.05	2.08	2.07	1.99	1.98	1.98	1.97	1.97	1.96	1.96	2.02	2.06	2.01
S. Atl. ...	1.70	1.70	1.66	1.58	1.51	1.53	1.58	1.58	1.68	1.74	1.76	1.74	1.65
Ky.	1.36	1.31	1.25	1.14	1.10	1.09	1.11	1.17	1.34	1.45	1.48	1.49	1.27
Tenn.	1.50	1.46	1.42	1.30	1.25	1.23	1.23	1.27	1.41	1.52	1.60	1.59	1.40
Ala.	1.92	1.87	1.84	1.82	1.77	1.77	1.77	1.78	1.83	1.88	1.94	1.92	1.84
Miss.	1.67	1.69	1.65	1.49	1.46	1.45	1.45	1.46	1.59	1.70	1.79	1.79	1.60
Ark.	1.64	1.62	1.53	1.41	1.37	1.37	1.35	1.39	1.49	1.59	1.63	1.66	1.50
La.	1.71	1.77	1.75	1.67	1.70	1.70	1.72	1.68	1.78	1.83	1.84	1.77	1.74
Okla.	1.71	1.69	1.60	1.47	1.42	1.47	1.55	1.55	1.63	1.74	1.75	1.74	1.61
Tex.	1.75	1.75	1.59	1.51	1.51	1.54	1.66	1.72	1.79	1.84	1.84	1.83	1.69
S. Cent. ...	1.64	1.61	1.52	1.41	1.38	1.36	1.40	1.43	1.55	1.65	1.69	1.70	1.53
Mont.	2.05	1.99	1.95	1.90	1.78	1.74	1.79	1.85	1.97	2.03	2.12	2.13	1.94
Idaho.....	1.35	1.31	1.26	1.24	1.23	1.21	1.22	1.25	1.32	1.38	1.41	1.46	1.30
Wyo.	1.54	1.51	1.50	1.47	1.43	1.43	1.42	1.49	1.60	1.63	1.65	1.70	1.53
Colo.	1.68	1.67	1.64	1.60	1.55	1.55	1.56	1.63	1.74	1.75	1.79	1.79	1.66
N. Mex.	1.60	1.57	1.48	1.44	1.41	1.36	1.41	1.45	1.54	1.58	1.62	1.66	1.51
Ariz.	1.48	1.44	1.35	1.30	1.28	1.26	1.31	1.35	1.44	1.46	1.46	1.50	1.39
Utah.....	1.46	1.39	1.39	1.35	1.31	1.28	1.28	1.31	1.42	1.45	1.51	1.55	1.39
Nev.	1.64	1.62	1.58	1.53	1.50	1.45	1.48	1.55	1.59	1.61	1.62	1.63	1.57
Wash.	1.35	1.34	1.33	1.30	1.20	1.20	1.25	1.27	1.31	1.34	1.36	1.35	1.30
Oreg.	1.52	1.45	1.39	1.36	1.28	1.28	1.28	1.31	1.40	1.44	1.49	1.46	1.39
Calif.	1.45	1.43	1.39	1.39	1.36	1.34	1.34	1.36	1.41	1.45	1.47	1.51	1.41
West.	1.47	1.44	1.40	1.37	1.32	1.30	1.31	1.35	1.40	1.44	1.47	1.50	1.40
U. S.	1.43	1.41	1.37	1.33	1.28	1.27	1.31	1.37	1.46	1.51	1.55	1.53	1.40

1/ See footnote on page 14.

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Table 14. -Milkfat-feed price ratios, selected regions by months, 1965 and 1966 ^{1/}

Region	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<u>1965</u>												
E. N. Cent. ..	20.0	20.0	20.0	20.0	20.0	19.8	19.5	19.8	20.1	20.4	20.7	20.9	20.1
W. N. Cent. ..	24.7	24.2	24.2	24.1	24.6	23.7	24.2	24.8	25.0	25.6	26.4	26.1	24.8
S. Cent.	17.1	17.0	17.2	17.0	16.9	17.1	17.0	17.2	17.7	18.1	18.2	18.4	17.4
West.	18.6	18.5	18.5	18.4	18.4	18.3	18.4	18.6	19.0	19.2	19.3	19.3	18.7
U.S.	23.6	23.2	23.2	23.0	22.9	22.8	23.1	23.7	23.9	24.4	25.1	24.9	23.6
	<u>1966 ^{2/}</u>												
E. N. Cent. ..	20.5	20.2	20.5	20.2	20.0	20.0	20.6	21.1	21.4	21.9	21.9	20.9	20.8
W. N. Cent. ..	25.0	24.8	25.9	25.2	23.9	25.0	25.5	25.9	26.1	26.2	25.9	25.0	25.4
S. Cent.	16.8	17.2	17.1	16.4	16.2	16.6	17.7	18.4	20.1	18.8	18.3	17.7	17.6
West.	19.0	18.7	18.9	18.9	19.1	19.1	19.9	20.2	20.4	20.2	19.8	19.7	19.5
U.S.	23.8	23.7	24.5	24.0	24.0	23.8	24.3	24.7	25.0	25.1	24.8	24.0	24.3

^{1/} Pounds of concentrate ration equal in value to 1 pound of milkfat. Obtained by dividing the price per pound received by farmers for milkfat in cream by the value per pound of concentrate rations fed to milk cows. The ration value used for the United State is the average for the cream-selling areas. ^{2/} Preliminary.

Footnotes for Tables 10 and 11:

^{1/} Estimates of ration values are based on quarterly reports from dairy correspondents on value per 100 pounds of concentrate ration actually 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/} Average ration values for milk-selling areas are obtained by combining regional values in proportion to the quantity of whole milk sold by farmers to plants and dealers. For cream areas, regional weights are based on the quantity of milk separated on farms for sale as cream.