

MILK PRODUCTION

June 12, 1967

May milk output about the same as a year earlier

May production of milk in the United States is estimated at 11,508 million pounds, about the same as output in May 1966 but 7 percent below the 1961-65 average for the month. May is usually the peak month in milk production, but the seasonal peak has become less pronounced in recent years.

Total milk production during the January - May period this year is 51,822 million pounds -- slightly above the comparable 1966 period. On a daily basis, milk production increased 4 percent from April to May, which is the same seasonal gain as a year earlier. May output provided 1.87 pounds of milk per person daily, compared with 1.80 pounds in April and 1.89 pounds in May 1966.

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

Month	Milk per cow			Milk production			Change from 1966
	Average 1961-65	1966	1967	Average 1961-65	1966	1967	
	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	9,135	9,217	+0.9
March	676	736	756	11,062	10,537	10,510	-0.3
April	690	752	785	11,260	10,725	10,732	+0.1
May	757	812	844	12,310	11,525	11,508	-0.1
Jan.-May total ..	---	---	---	54,551	51,729	51,822	+0.2
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, May 1967, with comparisons

State	Monthly milk per cow 1/			Milk production			Change from 1966
	May av. : 1961-65	May : 1966	May : 1967	May av. : 1961-65	May : 1966	May : 1967	
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	
Maine.....	722	790	785	62	59	55	- 7
New Hampshire.....	782	855	865	38	35	34	- 3
Vermont.....	793	885	890	198	190	182	- 4
Massachusetts.....	848	935	945	74	70	68	- 3
Rhode Island.....	869	930	930	10.3	9.0	8.0	-11
Connecticut.....	835	920	915	66	64	62	- 3
New York.....	884	925	925	1,077	1,033	981	- 5
New Jersey.....	918	985	970	107	96	89	- 7
Pennsylvania.....	835	895	915	714	688	681	- 1
Ohio.....	842	905	910	519	472	464	- 2
Indiana.....	807	860	920	302	261	259	- 1
Illinois.....	831	870	895	410	342	327	- 4
Michigan.....	826	860	845	513	471	438	- 7
Wisconsin.....	884	900	950	1,887	1,795	1,861	+ 4
Minnesota.....	883	890	930	1,120	1,023	1,035	+ 1
Iowa.....	781	835	880	621	552	554	0
Missouri.....	658	750	780	364	320	311	- 3
North Dakota.....	699	695	730	177	138	218	- 7
South Dakota.....	664	695	745	157	149	153	+ 3
Nebraska.....	679	680	685	195	165	153	- 7
Kansas.....	627	675	740	177	155	160	+ 3
Delaware.....	794	800	820	17.2	14.4	13.9	- 3
Maryland.....	719	780	810	145	141	142	+ 1
Virginia.....	607	670	710	176	168	172	+ 2
West Virginia.....	494	545	600	52	44	44	0
North Carolina.....	566	595	640	135	126	132	+ 5
South Carolina.....	493	580	610	46	45	46	+ 2
Georgia.....	484	580	630	88	87	91	+ 5
Florida.....	642	705	760	115	125	138	+10
Kentucky.....	561	660	690	263	263	262	0
Tennessee.....	516	565	590	221	212	214	+ 1
Alabama.....	375	460	485	74	73	74	+ 1
Mississippi.....	365	415	465	112	101	104	+ 3
Arkansas.....	481	605	630	83	71	70	- 1
Louisiana.....	375	440	485	82	87	92	+ 6
Oklahoma.....	609	700	760	130	119	122	+ 3
Texas.....	540	664	730	270	270	275	+ 2
Montana.....	659	680	690	43	37	34	- 8
Idaho.....	813	825	870	153	134	137	+ 2
Wyoming.....	653	700	700	16.9	15.5	14.4	- 7
Colorado.....	697	740	775	78	73	76	+ 4
New Mexico.....	614	685	690	24	26	27	+ 4
Arizona.....	870	915	960	44	48	49	+ 2
Utah.....	793	870	890	69	67	70	+ 4
Nevada.....	756	900	890	11.1	12.1	12.0	- 1
Washington.....	903	975	990	193	192	193	+ 1
Oregon.....	780	845	865	112	103	103	0
California.....	951	995	1,020	759	769	784	+ 2
Alaska.....	722	775	805	1.90	1.63	1.61	- 1
Hawaii.....	794	875	860	11.2	13.4	12.1	-10
United States.....	757	812	844	12,310	11,525	11,508	- 0.1

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

May rate per cow up 4 percent from last year

Milk output per cow for the U.S. averaged 84 1/2 pounds during May, 4 percent more than a year earlier and 11 percent above the 5-year average for the month. On a daily basis, May output averaged 27.2 pounds per cow, compared with 26.2 pounds in both April 1967 and May 1966. May production per cow was at a record high rate in 41 States.

On a State basis, May production per cow was highest in California with 1,020 pounds, followed by Washington with 990 pounds, New Jersey with 970 pounds and Arizona with 960 pounds.

Grain fed per cow up 7 percent

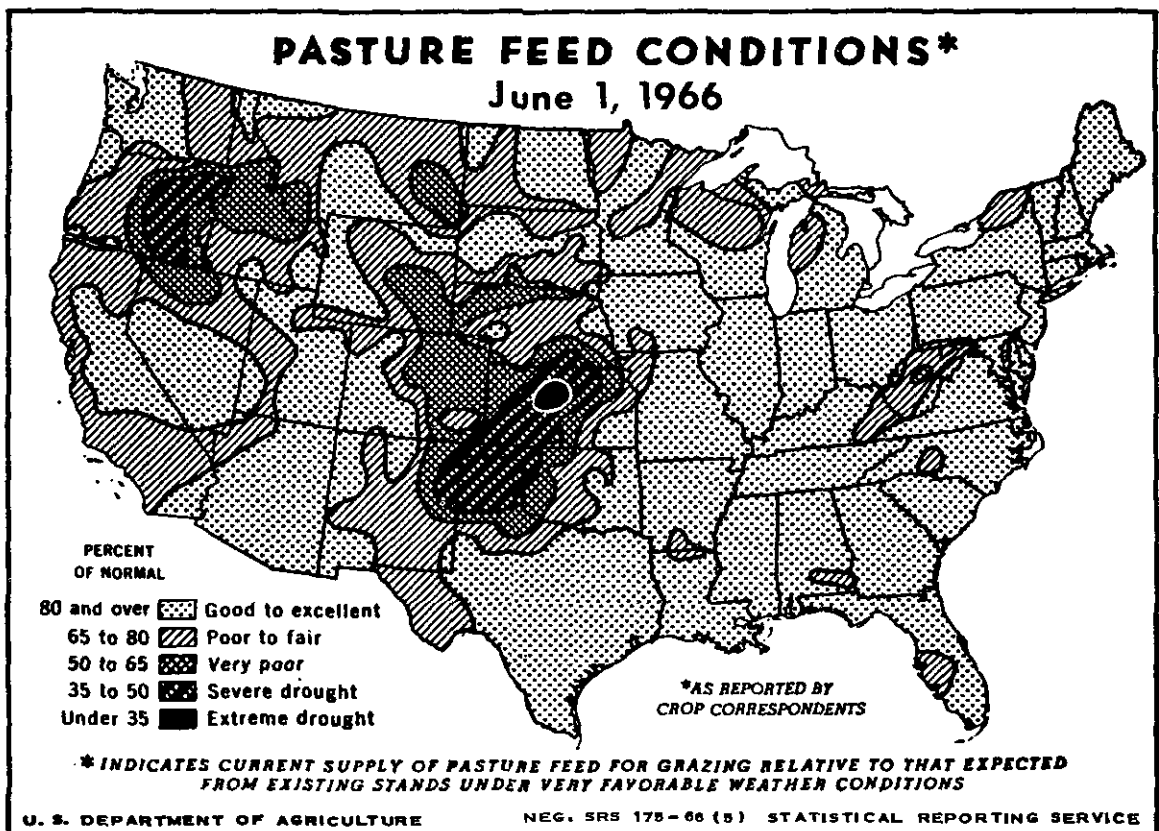
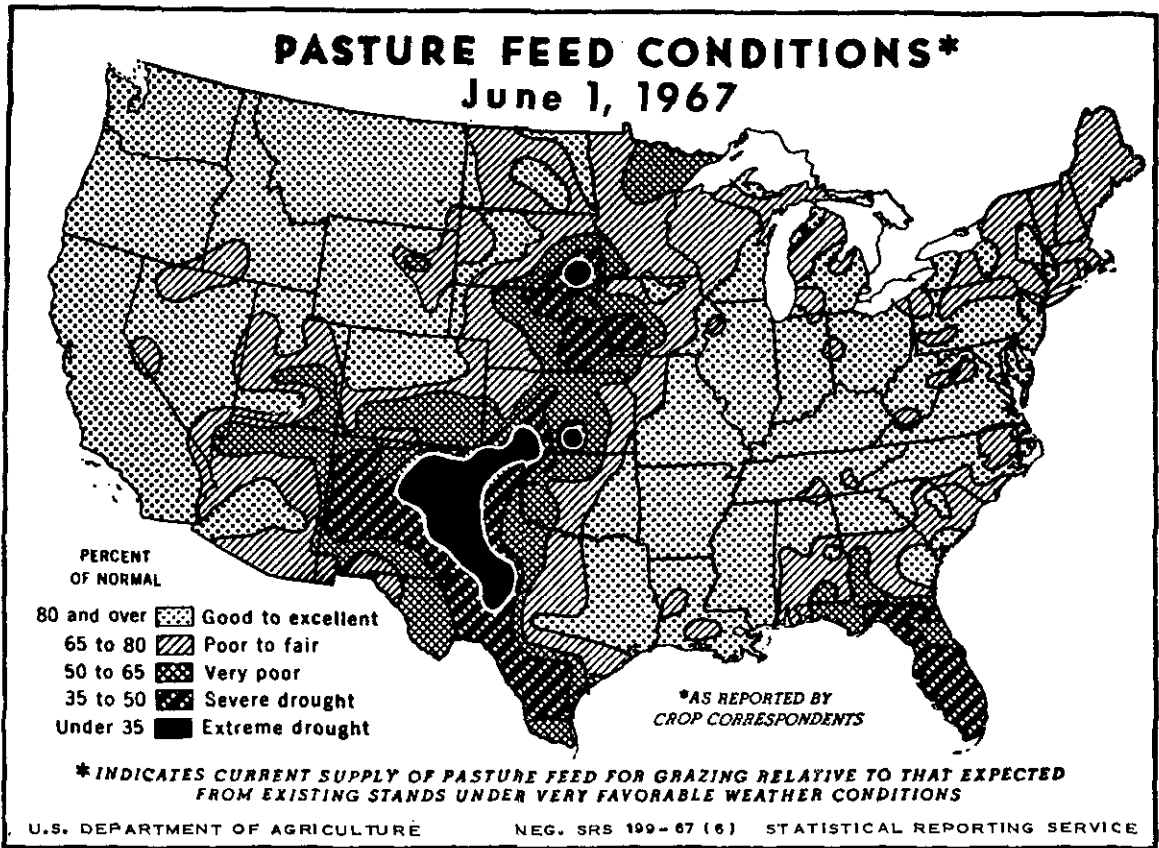
Grain and other concentrates fed on June 1, averaged 9.5 pounds per milk cow. This rate is up 7 percent from a year earlier and more than 30 percent above the 5-year average for the date. Feeding rates increased from a year earlier in 42 States, average levels of 10 pounds or more per milk cow were reported in 18 States.

Milk-feed price ratio up 4 percent

The May milk-feed price ratio was 1.46. This was up 4 percent from a year earlier but unchanged from a month earlier. With both milk prices and feed prices above year-earlier levels, the increase in the milk-feed price ratio is due to a greater increase in milk prices. This is the first year since 1941 that the ratio for May has not shown a seasonal decline from April. The milkfat-feed price ratio for May 1967, at 23.4 was down seasonally from 23.6 in April and compares with 24.0 for May last year.

Table 3.--Grain and other concentrates fed daily per milk cow in herds kept by reporters, June 1, 1967, with comparisons

State	June 1, av. 1961-65	June 1, 1966	June 1, 1967	State	June 1, av. 1961-65	June 1, 1966	June 1, 1967
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine	8.5	10.0	11.0	West Virginia	4.7	5.7	6.9
New Hampshire	7.9	11.2	11.5	North Carolina	7.8	8.5	10.0
Vermont	7.4	9.2	10.0	South Carolina	5.9	8.0	8.5
Massachusetts	9.0	11.4	12.4	Georgia	7.8	10.0	10.0
Rhode Island	9.5	11.7	12.6	Florida	5.4	8.0	10.0
Connecticut	9.1	11.5	13.0				
New York	8.2	9.5	10.0	Kentucky	6.0	7.1	7.0
New Jersey	9.0	10.2	10.7	Tennessee	5.7	6.5	7.4
Pennsylvania	10.0	11.6	11.8	Alabama	6.7	8.0	9.0
				Mississippi	4.6	7.5	8.0
Ohio	8.3	9.8	9.7	Arkansas	5.7	8.3	8.6
Indiana	8.0	9.3	9.8	Louisiana	5.8	8.5	9.0
Illinois	7.6	8.5	9.0	Oklahoma	7.3	9.0	10.0
Michigan	8.7	9.3	9.8	Texas	4.7	5.5	7.1
Wisconsin	7.1	9.2	9.2				
				Montana	5.4	6.7	7.5
Minnesota	8.0	10.5	10.8	Idaho	5.9	6.3	7.8
Iowa	7.5	8.4	10.0	Wyoming	4.6	5.1	5.2
Missouri	7.0	8.0	8.8	Colorado	7.2	8.2	9.0
North Dakota	7.4	8.3	8.1	New Mexico	7.2	9.0	9.0
South Dakota	5.8	7.1	7.7	Arizona	7.1	10.5	9.5
Nebraska	6.6	6.0	8.6	Utah	6.9	7.0	7.5
Kansas	7.4	8.3	9.8	Nevada	7.7	9.0	9.5
				Washington	6.7	7.2	7.5
Delaware	9.3	11.2	11.7	Oregon	5.7	6.6	8.0
Maryland	9.0	10.9	11.4	California	7.7	10.5	11.0
Virginia	7.8	9.1	9.8				
				United States	7.3	8.9	9.5



Spring pasture growth slowed by cool weather through May

Reported condition of dairy pasture for the Nation averaged 78 percent of normal on June 1, down 6 percentage points from a month earlier and 4 points below the 1961-65 average. Pasture condition was better than average in the South Atlantic, South Central, and Western Regions. Pastures were somewhat poorer than average in the West North Central States where May precipitation was light and pasture deteriorated rapidly. Precipitation was above normal in most States of the North Atlantic, South Atlantic, and South Central Regions and in the central part of the West. By contrast, May precipitation was less than one-half of normal in all of Minnesota and parts of adjoining States, also in large areas of Florida, Texas, New Mexico, and California. May temperatures averaged 2 to 6 degrees below normal in most of the Nation.

Pastures in the North Atlantic States were mostly in fair condition on June 1. New York had several areas of good to excellent pastures, Pennsylvania and New Jersey pastures were mostly in good to excellent condition. Unusually cool weather slowed pasture growth during May but soil moisture is adequate for good response to warmer weather. In the South Atlantic States, pasture condition was mostly good to excellent except for poor condition in parts of Georgia and severe drought in most of Florida. In the South Central States pasture condition was mostly good to excellent except for western areas of Texas and Oklahoma where conditions ranged from fair to extreme drought.

Table 4.--Dairy pasture feed condition, as percentage of normal, June 1, 1967, with comparison^{1/}

State and division	June 1, av. 1961-65	June 1, 1966	June 1, 1967	State and division	June 1, av. 1961-65	June 1, 1966	June 1, 1967
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	87	88	75	N. C.	79	90	86
N. H.	85	85	77	S. C.	74	89	81
Vt.	87	87	71	Ga.	74	91	74
Mass.	83	85	72	Fla.	62	86	43
R. I.	85	87	77	S. Atl. ...	76	88	82
Conn.	82	85	79	Ky.	85	93	92
N. Y.	82	88	78	Tenn.	81	92	90
N. J.	74	88	85	Ala.	71	90	82
Pa.	80	89	82	Miss.	70	92	90
N. Atl.	82	88	78	Ark.	75	91	91
Ohio	85	91	87	La.	66	89	85
Ind.	88	94	89	Okla.	75	70	71
Ill.	88	92	91	Texas	68	84	61
Mich.	90	85	79	S. Cent. ..	74	86	79
Wis.	87	80	75	Mont.	83	74	86
E. N. Cent. ...	87	86	82	Idaho	88	77	90
Minn.	89	84	71	Wyo.	83	69	86
Iowa	89	88	69	Colo.	65	67	74
Mo.	80	89	84	N. Mex.	62	63	38
N. Dak.	81	80	80	Ariz.	85	84	75
S. Dak.	84	76	55	Utah	82	81	80
Nebr.	79	66	58	Nev.	83	79	80
Kans.	73	57	59	Wash.	86	85	89
W. N. Cent. ...	84	80	69	Oreg.	88	77	92
Del.	74	94	89	Calif.	82	76	94
Md.	77	86	84	West.	82	77	87
Va.	79	91	89				
W. Va.	76	76	84	U. S.	82	84	78

^{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.

Pasture condition on June 1 varied widely in the North Central Region. Generally, pastures in the eastern one-third of the area were in good to excellent condition. In the western two-thirds of this area, conditions ranged from good to excellent in parts of North and South Dakota to severe drought in parts of Nebraska and Kansas and in the southeastern part of South Dakota.

Condition of pastures varied widely in the West. Severe drought condition prevailed in parts of New Mexico while very poor condition was reported in some areas of Colorado and Utah. In most other Western States, pastures were mostly in good to excellent condition. Cool weather during early May slowed growth in several States of this Region.

Table 5.--Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, May 1967, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	May av.	May	April	May	May av.	May	April	May
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	4.08	4.59	5.05	5.02	3.55	3.56	3.78	3.76
E. N. Cent. ...	3.53	4.13	4.56	4.54	2.74	2.90	3.03	3.02
W. N. Cent. ...	3.28	3.77	4.16	4.12	2.43	2.52	2.71	2.71
S. Atl.	5.11	5.48	5.97	5.92	3.36	3.44	3.68	3.63
S. Cent.	4.24	4.83	5.20	5.12	3.10	3.18	3.42	3.39
West.	4.14	4.40	4.81	4.76	3.17	3.19	3.37	3.40
U. S.								
Milk areas	3.84	4.34	4.77	4.73	2.99	3.07	3.26	3.25
Cream areas ...	---	---	---	---	2.51	2.60	2.78	2.79
Milk and cream areas	---	---	---	---	2.97	3.06	3.25	3.24

Table 6.--Milk-feed and milkfat-feed price ratios, by regions, May 1967, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	May av.	May	April	May	May av.	May	April	May
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
N. Atl.	1.15	1.29	1.34	1.34	---	---	---	---
E. N. Cent. ...	1.29	1.42	1.50	1.50	20.4	20.0	19.5	19.7
W. N. Cent. ...	1.35	1.50	1.54	1.52	25.1	25.2	24.7	24.6
S. Atl.	1.52	1.59	1.62	1.63	---	---	---	---
S. Cent.	1.37	1.52	1.52	1.51	16.7	16.2	15.7	15.8
West.	1.31	1.38	1.43	1.40	18.4	19.1	19.1	18.9
U. S.								
	1.28	1.41	1.46	1.46	23.8	24.0	23.6	23.4

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.

FORAGE FED TO MILK COWS, 1966-67 WINTER FEEDING SEASON

The hay equivalent of forage fed to milk cows during the 1966-67 winter season averaged 3.5 tons per cow according to the Crop Reporting Board. This compares with a 3.4 ton average for the year-earlier season. The hay equivalent was higher than a year earlier in the West and the North Central Regions and unchanged in the other regions. Hay equivalent is based on hay fed plus allowance of 1 ton of hay for every 3 tons of silage fed. Forage does not include pasture or grazing of crop residues.

Hay feeding rate increased

Milk cows were fed an average of 2.4 tons of hay during the 1966-67 winter feeding period, compared with 2.3 tons a year earlier. Increased feeding of hay in the West and in the West North Central Region more than offset declines in feeding rates in North and South Atlantic and South Central Regions. The average hay feeding rate in the East North Central Region was unchanged from last season. By regions, the hay feeding rate ranged from 3.4 tons per milk cow in the West to 1.2 tons in the South Atlantic. By States, feeding rates varied from 4.2 tons per cow in Idaho and Utah down to less than 1 ton in Mississippi and Florida.

Of all hay fed to milk cows, alfalfa or alfalfa mixtures accounted for 75 percent of the National total. Clover or mixed clover hay was next in popularity with 13 percent of the total. Lespedeza and Coastal Bermuda hay each made up 1 percent of all hay fed to milk cows, while other hays not classified accounted for 10 percent. Alfalfa or alfalfa mixtures were most common in the West and North Central Regions and the predominant kind of hay fed in all other regions. Clover and clover mixtures were also important kinds of hay particularly in the North and South Atlantic Regions.

Silage feeding increased

The average feeding rate for silage was 3.5 tons per milk cow during the 1966-67 winter feeding season. This was up from the 3.3 tons fed in the previous season. By regions, silage feeding rates ranged from 4.7 tons per cow in the South Atlantic to 1.8 tons per cow in the South Central. Feeding rates for silage were up from a year earlier in all regions.

Corn was the leading kind of silage fed in all regions and amounted to 83 percent of the total--unchanged from the 1965-66 season. Grass silage represented 10 percent of the silage total--up 1 percentage point from the previous season. Sorghum silage amounted to 4 percent of the total silage fed during the 1966-67 season and other silage not classified made up 3 percent of the total.

Hay values dropped

Reported values of hay fed to milk cows on February 1, 1967, average \$26.85 per ton, down 45 cents from a year earlier. Lower values in the North Atlantic and North Central Regions more than offset increases in other regions. Based on number of reports, about 90 percent of the Nation's dairymen fed baled hay, 6 percent fed loose hay and 4 percent fed chopped hay.

More hay purchased

Based on tonnage fed during the 1966-67 winter feeding season, farmers bought about 19 percent of their hay for milk cow feeding. This was up from the previous season in all regions except the North Atlantic and East North Central.

Table 7.--Hay and silage fed per milk cow in herds kept by dairy reporters, winter feeding period ending in May, by States, 1966 and 1967 1/

State and division	Hay		Silage		Hay equivalent of all forage 2/	
	1966	1967	1966	1967	1966	1967
	Tons	Tons	Tons	Tons	Tons	Tons
Me., N. H., Vt.	3.0	3.0	2.7	2.8	3.9	3.9
Mass., R. I., Conn.	2.2	2.0	4.1	4.3	3.6	3.5
N. Y.	2.8	2.8	3.9	4.3	4.1	4.2
N. J.	2.0	1.9	5.8	6.0	3.9	3.9
Pa.	1.8	1.8	3.3	3.3	2.9	2.9
N. Atl.	2.5	2.4	3.7	3.9	3.7	3.7
Ohio	2.1	2.4	4.3	3.9	3.5	3.7
Ind.	2.4	2.1	5.1	4.8	4.1	3.6
Ill.	2.2	2.2	3.9	4.5	3.5	3.7
Mich.	2.2	2.5	3.8	4.3	3.5	3.9
Wis.	2.7	2.6	4.2	4.7	4.1	4.2
E. N. Cent.	2.5	2.5	4.2	4.5	3.8	4.0
Minn.	2.7	2.8	3.5	3.8	3.9	4.1
Iowa	2.0	2.1	3.7	3.1	3.2	3.2
Mo.	2.1	2.5	3.2	3.5	3.2	3.6
N. Dak.	2.8	3.0	1.7	2.8	3.4	3.9
S. Dak.	2.3	2.2	4.1	3.5	3.7	3.4
Nebr.	2.2	2.1	1.5	2.1	2.7	2.8
Kans.	2.3	2.0	3.9	4.3	3.6	3.5
W. N. Cent.	2.4	2.5	3.3	3.4	3.5	3.6
Del., Md.	1.6	1.6	6.0	5.6	3.6	3.5
Va.	1.7	1.4	5.2	5.5	3.4	3.2
W. Va.	2.2	2.1	3.5	4.3	3.4	3.5
N. C.	1.2	1.1	5.2	5.8	2.9	3.0
S. C.	1.2	1.0	5.1	5.4	2.9	2.8
Ga.	1.1	1.0	3.5	4.6	2.2	2.5
Fla.	0.6	0.6	2.0	2.1	1.3	1.3
S. Atl.	1.3	1.2	4.5	4.7	2.8	2.8
Ky.	2.0	1.8	2.2	2.5	2.8	2.6
Tenn.	1.5	1.5	1.4	2.0	2.0	2.1
Ala.	1.4	1.1	2.0	2.2	2.1	1.8
Miss.	0.9	0.9	1.6	1.9	1.4	1.5
Ark.	2.1	2.1	1.2	1.5	2.5	2.6
La.	1.5	1.2	2.0	1.8	2.1	1.8
Okla.	2.3	2.4	1.4	1.7	2.8	3.0
Texas	2.4	2.4	0.8	0.9	2.7	2.7
S. Cent.	1.8	1.7	1.5	1.8	2.3	2.3
Mont.	3.3	3.7	0.9	1.0	3.6	4.1
Idaho	4.4	4.2	2.1	1.9	5.1	4.8
Wyo.	3.4	3.2	a/	a/	3.8	3.8
Colo.	2.7	3.3	2.8	3.9	3.7	4.6
N. Mex.	2.9	3.1	a/	a/	3.6	4.1
Ariz.	2.4	3.0	a/	a/	3.1	4.0
Utah	3.7	4.2	3.3	3.6	4.8	5.4
Nev.	3.9	4.0	a/	a/	4.3	4.5
Wash.	2.7	2.9	2.3	2.6	3.4	3.8
Oreg.	2.2	2.9	3.9	2.8	3.5	3.9
Calif.	3.1	3.4	1.4	1.7	3.6	4.0
West.	3.1	3.4	1.9	2.2	3.8	4.1
U. S.	2.3	2.4	3.3	3.5	3.4	3.5

1/ Based on tonnage fed during the October-May winter feeding period as reported on May 1, and number of milk cows in herds on that date. 2/ Does not include pasture or grazing of crop residues. In computing hay equivalent, 3 tons of silage are considered equal to 1 ton of hay. a/ Number of reports not sufficient to establish a stable average.

Table 8.--Hay: Percentage, by kinds, fed to milk cows in herds kept by dairy reporters, winter feeding period ending in May, by States, 1966 and 1967 1/

State and division	Alfalfa or mixed alfalfa		Clover or mixed clover		Lespedeza		Coastal bermuda		Other	
	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt.	38	36	52	55	---	---	---	---	10	9
Mass., R. I., Conn.	51	45	34	47	---	---	---	---	15	8
N. Y.	66	61	16	22	---	---	---	---	18	17
N. J.	82	81	11	8	---	---	---	---	7	11
Pa.	60	55	24	28	---	---	---	---	16	17
N. Atl.	59	55	25	30	---	---	---	---	16	15
Ohio	81	73	14	22	---	---	---	---	5	5
Ind.	81	83	9	13	---	---	---	---	10	4
Ill.	87	90	9	9	---	---	---	---	4	1
Mich.	91	90	7	9	---	---	---	---	2	1
Wis.	86	89	12	10	---	---	---	---	2	1
E. N. Cent.	86	86	11	12	---	---	---	---	3	2
Minn.	90	82	5	11	---	---	---	---	5	7
Iowa	90	88	7	12	---	---	---	---	3	---
Mo.	75	79	5	8	7	4	---	---	13	9
N. Dak.	64	68	2	2	---	---	---	---	34	30
S. Dak.	91	81	---	---	---	---	---	---	9	19
Nebr.	93	88	1	1	---	---	---	---	6	11
Kans.	85	82	1	3	---	---	---	---	14	15
W. N. Cent.	86	82	4	8	1	1	---	---	9	9
Del., Md.	61	55	33	41	1	1	1	---	4	3
Va.	53	45	23	33	2	3	---	---	22	19
W. Va.	74	65	21	28	---	1	---	---	5	6
N. C.	21	18	22	22	22	18	8	12	27	30
S. C.	8	7	2	2	9	7	57	62	24	22
Ga.	1	7	9	3	10	13	46	54	34	23
Fla.	a/	a/	a/	a/	a/	a/	a/	a/	a/	a/
S. Atl.	41	36	23	25	6	6	13	14	17	19
Ky.	68	55	10	22	14	13	---	---	8	10
Tenn.	25	18	26	29	26	27	---	1	23	25
Ala.	5	2	11	13	21	16	20	27	43	42
Miss.	5	6	22	20	18	23	2	2	53	49
Ark.	31	41	10	11	16	10	1	2	42	36
La.	16	20	11	7	2	2	25	19	46	52
Okla.	60	64	---	---	4	2	2	---	34	34
Texas	47	47	1	---	1	---	8	15	43	38
S. Cent.	41	39	10	12	12	10	5	7	32	32
Mont.	90	95	5	3	---	---	---	---	5	2
Idaho	98	98	2	2	---	---	---	---	---	---
Wyo.	91	96	3	3	---	---	---	---	6	1
Colo.	84	94	1	1	---	---	---	---	15	5
N. Mex.	100	99	---	---	---	---	---	---	---	1
Ariz.	100	100	---	---	---	---	---	---	---	---
Utah	95	97	2	---	---	---	---	---	3	3
NeV.	100	100	---	---	---	---	---	---	---	---
Wash.	82	81	15	13	---	---	---	---	3	6
Oreg.	77	74	14	17	---	---	---	---	9	9
Calif.	95	96	1	1	---	---	---	---	4	3
West.	92	93	4	3	---	---	---	---	4	4
U. S.	75	75	11	13	2	1	1	1	11	10

1/ For October-May winter feeding period as reported May 1.

a/ Number of reports not sufficient to establish a stable average.

Table 9.--Silage: Percentage, by kinds, fed to milk cows in herds kept by dairy reporters, winter feeding period ending in May, by States, 1966 and 1967 ^{1/}

State and division	Corn silage		Grass silage		Sorghum silage		Other silage	
	1966	1967	1966	1967	1966	1967	1966	1967
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Me., N. H., Vt.	78	84	16	14	---	---	6	2
Mass., R. I., Conn. .:	89	90	10	10	---	---	1	---
N. Y.	87	84	9	10	---	---	4	6
N. J.	83	82	5	8	4	2	8	8
Pa.	87	89	9	8	---	---	4	3
N. Atl.	86	86	10	10	---	---	4	4
Ohio	83	83	16	16	---	---	1	1
Ind.	79	81	14	16	1	---	6	3
Ill.	80	80	8	14	3	5	9	1
Mich.	90	89	9	9	---	2	1	---
Wis.	88	83	11	15	---	---	1	2
E. N. Cent.	86	84	12	14	---	1	2	1
Minn.	92	92	4	6	2	---	2	2
Iowa	76	82	18	12	2	2	4	4
Mo.	83	87	6	7	10	5	1	1
N. Dak.	97	94	1	4	1	1	1	1
S. Dak.	79	89	6	5	12	5	3	1
Nebr.	46	49	---	9	49	38	5	4
Kans.	39	41	---	---	61	59	---	---
W. N. Cent.	80	82	7	7	11	9	2	2
Del., Md.	84	90	7	4	2	1	7	5
Va.	93	92	1	3	4	3	2	2
W. Va.	97	90	3	6	---	---	---	4
N. C.	91	90	2	5	7	---	---	5
S. C.	76	78	2	---	19	18	3	4
Ge.	84	85	1	2	14	12	1	1
S. Atl.	88	85	3	3	5	4	4	7
Ky.	98	93	---	3	2	4	---	---
Tenn.	82	86	10	11	6	2	2	1
Ala.	74	77	1	6	24	11	1	6
Miss.	56	59	2	---	40	39	2	2
Okla.	17	16	---	5	75	74	8	5
Texas	32	29	---	---	68	67	---	4
S. Cent.	65	67	2	4	31	27	2	2
Mont.	89	89	8	10	---	---	3	1
Idaho	79	94	12	6	---	---	9	---
Colo.	91	93	---	1	7	4	2	2
Utah	94	94	---	1	5	5	1	---
Wash.	27	32	58	52	---	---	15	16
Oreg.	52	54	41	43	---	---	7	3
Calif.	96	96	1	3	3	---	---	1
West.	75	80	16	14	4	3	5	3
U. S.	83	83	9	10	5	4	3	3

^{1/} Data are shown only for those States where the reported amount fed was sufficient to provide a stable breakdown by kinds.

Table 10.--Value per ton of hay fed to milk cows in herds kept by dairy reporters and percentage reporting on baled, chopped and loose hay, by States, February 1, 1966 and 1967 1/

State and division	Value per ton				Number of reports as percentage of total					
	Baled		All 2/		Baled		Chopped		Loose	
	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967
	Dol.	Dol.	Dol.	Dol.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N.H., Vt.	38.00	28.50	37.50	28.50	92	97	5	2	3	1
Mass., R. I., Conn. .	43.50	38.00	43.50	38.00	97	95	3	5	0	0
N. Y.	31.50	27.00	31.50	27.00	97	96	1	2	2	2
N. J.	44.50	42.00	44.00	42.00	97	98	2	2	1	0
Pa.	35.00	35.00	35.00	35.00	98	98	1	1	1	1
N. Atl.	34.63	30.62	34.48	30.57	96	97	2	2	2	1
Ohio	27.50	26.00	27.50	25.50	95	94	2	3	3	3
Ind.	26.00	25.50	26.00	25.50	97	95	2	5	1	0
Ill.	24.00	24.50	24.00	24.50	95	95	4	4	1	1
Mich.	22.00	21.00	22.00	21.00	89	90	7	7	4	3
Wis.	27.50	23.00	27.00	22.50	82	86	14	11	4	3
E. N. Cent.	26.07	23.46	25.83	23.13	89	90	8	8	3	2
Minn.	21.50	20.00	21.00	20.00	90	93	2	3	8	4
Iowa	24.00	21.50	23.50	21.00	94	93	5	5	1	2
Mo.	24.50	25.50	24.50	25.50	94	97	4	2	2	1
N. Dak.	18.50	18.00	17.50	16.50	65	61	1	3	34	36
S. Dak.	19.50	23.00	19.00	22.50	57	58	6	6	37	36
Nebr.	20.00	22.50	19.00	22.50	55	59	6	6	39	35
Kans.	19.50	26.50	19.00	25.50	89	88	2	2	9	10
W. N. Cent.	21.70	21.50	21.29	21.07	83	84	4	4	13	12
Del., Md.	39.50	42.00	39.00	41.50	95	98	3	1	2	1
Va.	35.50	38.00	35.50	37.50	92	94	3	1	5	5
W. Va.	35.00	36.00	34.00	35.50	81	83	0	0	19	17
N. C.	32.50	35.00	32.00	35.00	88	94	2	0	10	6
S. C.	33.00	33.00	32.00	32.00	90	86	1	2	9	12
Ga.	30.50	30.50	30.50	30.00	97	97	2	1	1	2
Fla. 3/	---	---	31.00	32.00	---	---	---	---	---	---
S. Atl.	34.94	36.35	34.37	36.12	90	93	2	1	8	6
Ky.	28.00	27.50	27.50	27.00	90	92	1	1	9	7
Tenn.	30.00	29.00	30.00	28.50	93	94	1	1	6	5
Ala.	31.00	29.50	30.50	29.50	88	84	4	9	8	7
Miss.	26.50	27.00	26.50	26.50	90	91	5	5	5	4
Ark.	25.00	25.50	25.00	25.50	93	93	3	2	4	5
La.	26.00	28.50	26.00	28.50	97	98	1	1	2	1
Okl.	23.00	29.00	23.00	28.50	95	95	2	3	3	2
Texas	29.00	30.50	29.00	30.00	94	95	2	2	4	3
S. Cent.	27.65	28.44	27.48	28.11	92	93	2	2	6	5
Mont.	24.00	27.50	23.00	26.50	74	73	3	4	23	23
Idaho	23.50	28.00	23.50	28.00	94	94	1	1	5	5
Wyo.	24.50	31.50	24.00	30.50	78	84	2	2	20	14
Colo.	24.00	26.50	24.00	26.00	90	89	5	4	5	7
N. Mex.	30.00	31.00	29.50	30.50	94	94	6	2	0	4
Ariz.	31.00	37.00	31.00	37.50	100	97	0	3	0	0
Utah	28.00	31.50	27.50	31.00	88	93	8	4	4	3
Nev.	26.50	32.00	26.50	32.00	83	89	13	11	4	0
Wash.	28.00	31.50	28.00	31.50	93	94	2	2	5	4
Oreg.	27.00	32.50	27.00	29.50	87	93	5	4	8	3
Calif.	31.50	37.50	31.50	37.50	96	98	2	0	2	2
West.	28.68	33.51	28.47	33.18	90	92	3	2	7	6
U. S.	27.57	27.15	27.30	26.85	88.6	89.5	4.0	4.1	7.4	6.4

1/ Reporters were requested to report value only for the type of hay being fed.

2/ Includes reports on value of baled, chopped, or loose hay.

3/ Florida data not available by type.

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Table 11.--Purchased hay as percentage of all hay fed to milk cows in herds kept by dairy reporters, winter feeding season ending in May, by States, 1966 and 1967 ^{1/}

State and division	1966	1967	State and division	1966	1967
	Percent	Percent		Percent	Percent
Me., N. H., Vt.	13	8	S. C.	8	19
Mass., R. I., Conn.	23	17	Ga.	12	21
N. Y.	9	5	Fla.	a/	a/
N. J.	14	20	S. Atl.	10	18
Pa.	9	10			
N. Atl.	11	8	Ky.	3	7
Ohio	7	8	Tenn.	7	6
Ind.	13	8	Ala.	13	25
Ill.	6	8	Miss.	9	7
Mich.	6	7	Ark.	45	45
Wis.	6	4	La.	18	31
E. N. Cent.	7	6	Okla.	40	47
Minn.	3	4	Tex.	45	60
Iowa	6	4	S. Cent.	24	31
Mo.	8	11	Mont.	34	28
N. Dak.	4	6	Idaho	23	29
S. Dak.	5	7	Wyo.	29	35
Nebr.	14	18	Colo.	49	56
Kans.	12	20	N. Mex.	96	76
W. N. Cent.	6	7	Ariz.	87	83
Del., Md.	6	12	Utah	39	36
Va.	5	7	Nev.	40	54
W. Va.	16	24	Wash.	55	60
N. C.	6	19	Oreg.	47	55
			Calif.	87	87
			West.	64	67
			U. S.	17.6	19.3

^{1/} Based on tonnage fed and to be fed during October-May winter feeding season, as reported on May 1.

a/ Number of reports not sufficient to establish a stable average.