

MILK PRODUCTION

June 11, 1968

May milk production 2 percent below last year

U. S. milk production in May is estimated at 11,283 million pounds, 2 percent less than a year earlier and 7 percent below the 1962-66 average for the month. Production for May was the smallest since 1940, partly because of continued declines in cow numbers and partly because of the trend toward lower seasonal peaks in monthly production. Daily average production for May was up 4 percent from April compared with an increase of 3 percent in 1967 and a 5 percent average increase. Total milk production during January-May was 2 percent less than a year earlier. Production during May provided 1.81 pounds of milk per person daily, compared with 1.74 pounds a month earlier and 1.86 pounds a year earlier. Most States in May had production declines from a year earlier. In the North and South Atlantic Regions, production was up 1 percent in Vermont, Virginia and Georgia, unchanged in Maine, and down elsewhere. For the North Central Region, production was up 1 percent in Wisconsin, Minnesota, and South Dakota, and lower elsewhere. Kentucky, Oklahoma, and Texas reported increases in milk production in the South Central Region; other States had smaller production. In the West, production changes were mixed--5 States had larger production, 2 were unchanged and 4 were down.

Table 1.-Milk per cow and milk production by months, United States, 1968, with comparisons

Month	Milk per cow			Milk production			Change from 1967
	Average 1962-66	1967	1968	Average 1962-66	1967	1968	
	Pounds	Pounds	Pounds	Million Pounds	Million Pounds	Million Pounds	Percent
January	644	716	724	10,196	9,847	9,608	-2.4
February	611	671	699	9,636	9,203	9,249	+0.5
March	698	769	778	10,968	10,517	10,269	-2.4
April	713	788	795	11,175	10,734	10,460	-2.6
May	778	844		12,143	11,470	11,283	-1.6
Jan.-May total	---	---	---	54,118	51,771	50,869	-1.7
June	750	820		11,658	11,095		
July	692	764		10,714	10,315		
August	651	722		10,047	9,709		
September	614	680		9,446	9,124		
October	623	685		9,547	9,167		
November	603	661		9,208	8,814		
December	641	699		9,759	9,299		
Annual	8,021	8,821		124,497	119,294		

Special in this issue
FORAGE FED TO MILK COWS,
1967-68 WINTER FEEDING SEASON, Page 7

May milk output per cow rises 2 percent

Milk output per cow averaged 859 pounds during May, 2 percent more than a year earlier and 10 percent above average for the month. Unusually good pastures during May contributed to the improvement. Daily output per cow averaged 27.7 pounds, compared with 26.5 pounds a month earlier and 27.2 pounds a year earlier. Production per cow was at record-high levels for May in 37 States. Highest output per cow was in California with 1,000 pounds, followed by Washington, 995 pounds; Minnesota, 980 pounds; and Wisconsin, 975 pounds.

Dairy pastures best since 1960

Reported dairy pasture condition nationally averaged 86 percent of normal on June 1, the highest for the date since 1960. This is 8 percentage points above a year earlier and 4 points above the 1962-66 average. Although cool temperatures limited growth in some areas, abundant moisture in the eastern half of the Nation has encouraged growth of pastures, and their condition is generally good to excellent.

June 1 pasture condition equaled or exceeded the 5-year average for the date everywhere east of the Mississippi except in Michigan and Florida. Florida continued to report the lowest pasture condition with 70 percent. However, this is 13 percentage points above a month earlier, 27 points above a year earlier and 5 points above average for June 1.

In the West North Central States, all except North Dakota reported better condition than a year earlier, although only North Dakota and Kansas showed improvement over May 1. Reported condition ranged from 72 percent of normal in North Dakota to 89 percent in Missouri.

Pastures are good to excellent in Oklahoma and Texas except in the Panhandle area, but recent rains should help there. June 1 condition in Texas averaged 90 percent of normal, the highest for the date since 1949.

Pastures deteriorated in several Western States during May. Montana, Wyoming, and California report conditions below a year earlier, below a month earlier, and below average. Reported condition varies from 73 percent of normal in Montana to 90 percent in Arizona.

Milk-feed price ratio up 10 percent

The May milk-feed price ratio, at 1.60, was the highest of record for the month. It was the same as a month earlier but was 10 percent above a year earlier. Higher milk prices and lower average values of concentrate rations contributed to the improvement over a year earlier. The milkfat-feed price ratio for farm-separated cream was 24.9, the same as a month earlier, but 5 percent more than a year earlier and 6 percent above average.

Grain and concentrate feeding rates gain 5 percent

Grain and other concentrates fed on June 1 averaged 10.0 pounds per milk cow, up from the 9.5 pounds fed a year earlier and 28 percent above average. Feeding rates were above a year earlier in 23 States. The June 1 feeding rate in 13 States was 11 pounds or more per cow. A year earlier, only 9 States were feeding at that level.

Table 2.-Monthly milk per cow and milk production, May 1968, with comparisons

State	Monthly milk per cow ^{1/}			Milk production			
	May av. 1962-66	May 1967	May 1968	May av. 1962-66	May 1967	May 1968	Change from 1967
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	739	770	775	61	56	56	0
New Hampshire.....	803	825	830	37	35	34	-3
Vermont.....	810	825	850	195	178	180	+1
Massachusetts.....	874	925	915	73	68	63	-7
Rhode Island.....	892	925	915	9.9	8.0	7.4	-8
Connecticut.....	859	915	900	65	63	61	-3
New York.....	901	935	940	1,074	1,002	981	-2
New Jersey.....	934	955	965	102	83	76	-8
Pennsylvania.....	854	920	880	709	683	645	-6
Ohio.....	869	900	915	510	450	436	-3
Indiana.....	823	915	920	289	252	229	-9
Illinois.....	846	880	900	390	318	302	-5
Michigan.....	844	845	870	508	422	407	-4
Wisconsin.....	899	955	975	1,889	1,848	1,872	+1
Minnesota.....	891	945	980	1,107	1,040	1,046	+1
Iowa.....	805	900	900	610	559	529	-5
Missouri.....	688	790	810	351	315	311	-1
North Dakota.....	702	725	780	168	127	121	-5
South Dakota.....	676	755	780	156	159	160	+1
Nebraska.....	681	700	730	184	158	156	-1
Kansas.....	642	740	765	170	164	161	-2
Delaware.....	804	800	810	16.2	13.6	13.0	-4
Maryland.....	731	810	800	143	142	137	-4
Virginia.....	626	695	730	173	168	169	+1
West Virginia.....	504	565	575	49	41	39	-5
North Carolina.....	576	640	650	132	129	128	-1
South Carolina.....	518	615	615	45	46	44	-4
Georgia.....	510	630	665	87	91	92	+1
Florida.....	670	775	770	119	142	140	-1
Kentucky.....	586	660	680	262	251	253	+1
Tennessee.....	527	615	630	215	215	208	-3
Alabama.....	392	465	475	72	70	68	-3
Mississippi.....	377	455	470	107	102	97	-5
Arkansas.....	513	630	670	78	69	66	-4
Louisiana.....	392	475	480	83	90	88	-2
Oklahoma.....	636	770	810	125	123	125	+2
Texas.....	572	730	755	269	281	282	0
Montana.....	673	720	750	41	36	35	-3
Idaho.....	815	880	880	147	138	133	-4
Wyoming.....	669	700	705	16.4	14.4	14.5	+1
Colorado.....	715	770	775	77	75	75	0
New Mexico.....	644	685	710	25	26	27	+4
Arizona.....	889	940	960	46	49	49	0
Utah.....	815	900	920	68	69	68	-1
Nevada.....	796	905	900	11.3	12.1	12.2	+1
Washington.....	926	990	995	193	193	190	-2
Oregon.....	798	855	895	108	101	102	+1
California.....	966	1,000	1,000	763	780	782	0
Alaska.....	736	805	775	1.83	1.61	1.47	-9
Hawaii.....	813	925	855	11.8	13.1	11.8	-10
United States.....	778	844	859	12,143	11,470	11,283	-1.6

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

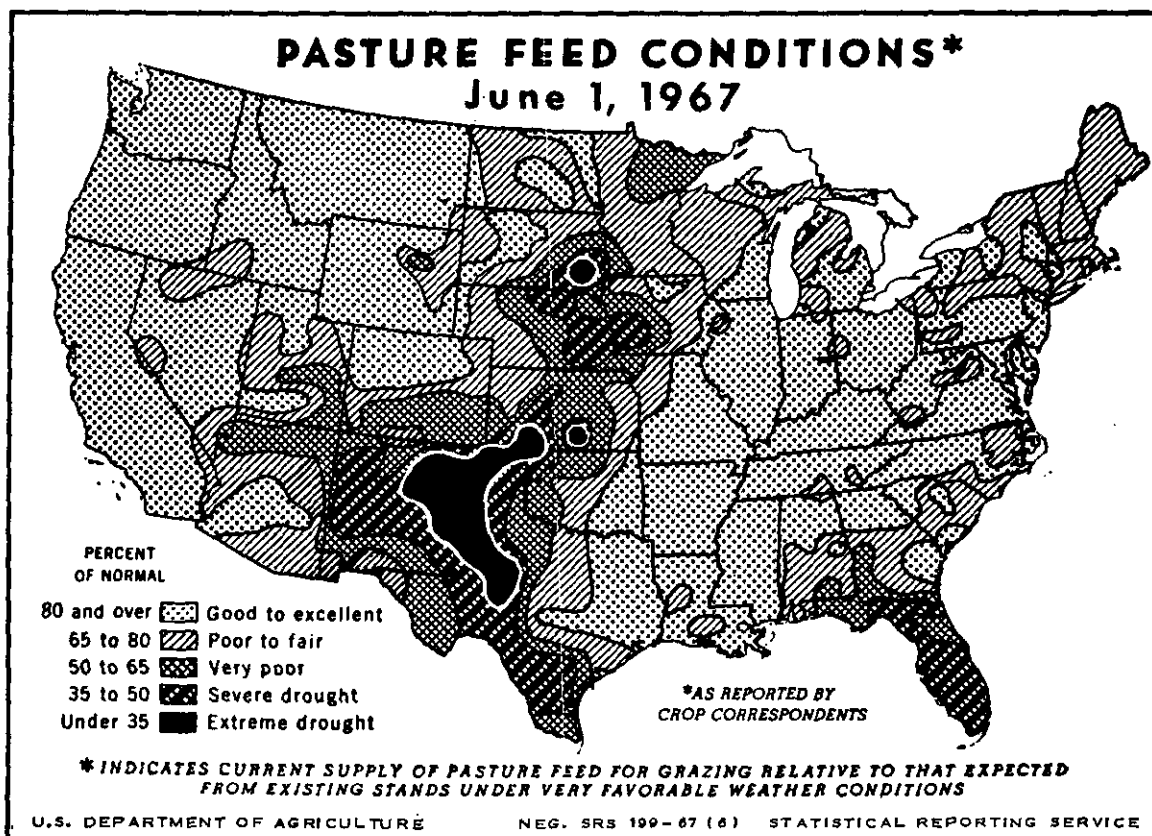
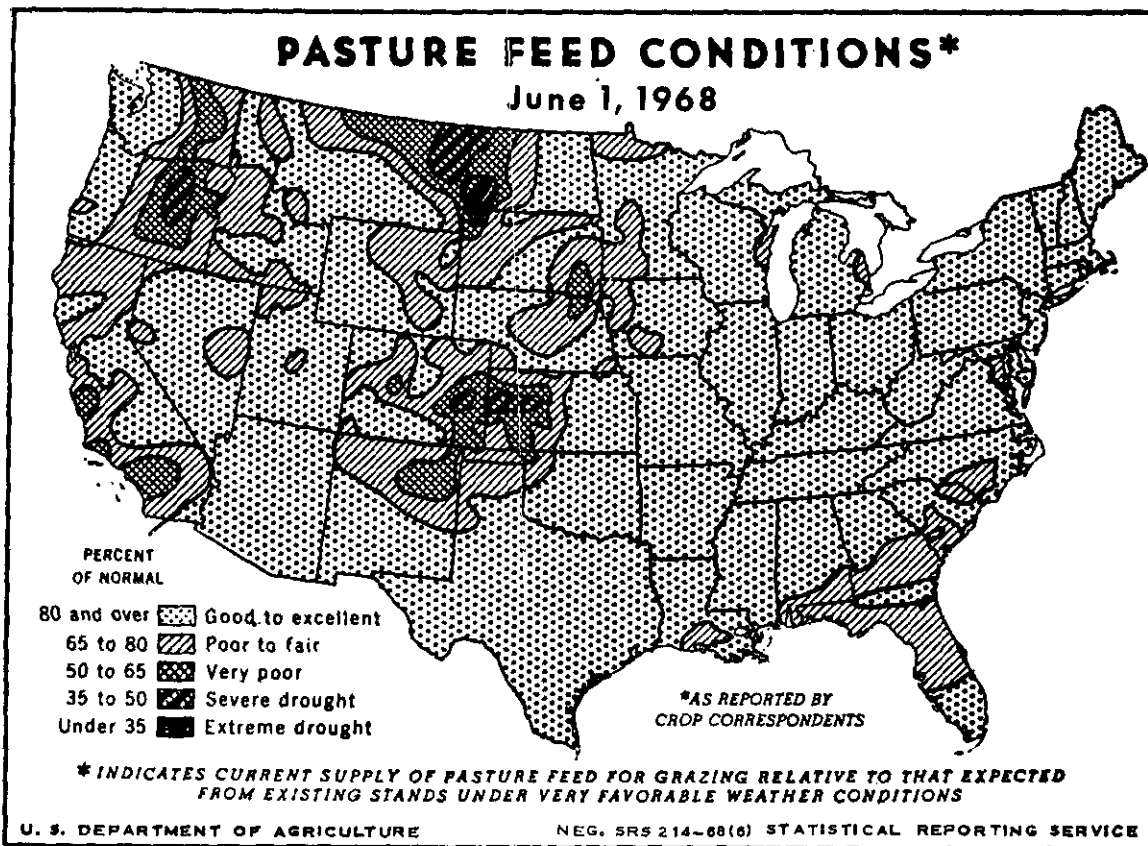


Table 3.-Dairy pasture feed condition, as percentage of normal, June 1, 1968, with comparisons 1/

State and division	June 1, av. 1962-66	June 1, 1967	June 1, 1968	State and division	June 1, av. 1962-66	June 1, 1967	June 1, 1968
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	88	75	90	N. C.	79	86	89
N. H.	85	77	92	S. C.	74	81	85
Vt.	86	71	92	Ga.	75	74	83
Mass.	81	72	89	Fla.	65	43	70
R. I.	84	77	96	S. Atl. ..	76	82	86
Conn.	80	79	86	Ky.	86	92	96
N. Y.	82	78	91	Tenn.	82	90	92
N. J.	73	85	88	Ala.	72	82	87
Pa.	80	82	89	Miss.	72	90	89
N. Atl.	82	78	90	Ark.	76	91	92
Ohio.....	85	87	94	La.	68	85	84
Ind.	89	89	94	Okla.	72	71	89
Ill.	88	91	91	Tex.	71	61	90
Mich.	89	79	88	S. Cent. .	75	79	91
Wis.	87	75	87	Mont.	83	86	73
E. N. Cent. .	87	82	90	Idaho.....	86	90	83
Minn.	89	71	81	Wyo.	80	86	78
Iowa.....	89	69	86	Colo.	61	74	74
Mo.	80	84	89	N. Mex.	60	38	77
N. Dak.	84	80	72	Ariz.	86	75	90
S. Dak.	83	55	73	Utah.....	85	80	85
Nebr.	75	58	80	Nev.	85	80	82
Kans.	67	59	79	Wash.	84	89	85
W. N. Cent. .	83	69	81	Oreg.	85	92	84
Del.	75	89	85	Calif.	82	94	74
Md.	76	84	84	West.	81	87	79
Va.	79	89	90	U. S.	82	78	86
W. Va.	74	84	90				

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, May 1968, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	May av. 1962-66	May 1967	April 1968	May 1968	May av. 1962-66	May 1967	April 1968	May 1968
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	4.16	4.96	5.35	5.39	3.56	3.80	3.65	3.64
E. N. Cent. ...	3.62	4.55	4.81	4.80	2.79	3.06	2.93	2.95
W. N. Cent. ...	3.36	4.16	4.37	4.38	2.48	2.71	2.58	2.59
S. Atl.	5.18	6.04	6.19	6.15	3.39	3.64	3.49	3.48
S. Cent.	4.35	5.21	5.51	5.51	3.13	3.41	3.31	3.29
West.	4.19	4.77	5.05	4.99	3.18	3.38	3.30	3.29
U. S.								
Milk areas	3.92	4.75	5.03	5.02	3.02	3.27	3.14	3.14
Cream areas ...	---	---	---	---	2.55	2.78	2.67	2.68
Milk and cream areas	---	---	---	---	3.00	3.26	3.13	3.13

Table 5.-Milkfeed and milkfat-feed price ratios, by regions, May 1968, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	May av. 1962-66	May 1967	April 1968	May 1968	May av. 1962-66	May 1967	April 1968	May 1968
N. Atl.	1.17	1.31	1.47	1.48	---	---	---	---
E. N. Cent. ..	1.30	1.49	1.64	1.63	20.2	19.2	20.1	19.9
W. N. Cent. ..	1.36	1.54	1.69	1.69	24.8	24.8	26.4	26.4
S. Atl.	1.53	1.66	1.77	1.77	---	---	---	---
S. Cent.	1.39	1.53	1.66	1.67	16.5	16.5	16.6	16.7
West.	1.32	1.41	1.53	1.52	18.5	19.0	19.5	19.6
U. S.	1.30	1.45	1.60	1.60	23.6	23.7	24.9	24.9

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.

Table 6.-Grain and other concentrates fed daily per milk cow in herds kept by reporters, June 1, 1968, with comparisons

State	June 1, av. 1962-66	June 1, 1967	June 1, 1968	State	June 1, av. 1962-66	June 1, 1967	June 1, 1968
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	9.0	11.0	10.0	West Virginia....	5.0	6.9	6.7
New Hampshire...	8.9	11.5	10.2	North Carolina....	8.2	10.0	10.0
Vermont.....	7.9	10.0	9.1	South Carolina....	6.4	8.5	9.5
Massachusetts...	9.7	12.4	11.7	Georgia.....	8.7	10.0	12.0
Rhode Island....	10.2	12.6	11.5	Florida.....	5.9	10.0	10.0
Connecticut.....	9.7	13.0	11.7	Kentucky.....	6.4	7.0	6.8
New York.....	8.6	10.0	10.2	Tennessee.....	5.9	7.4	7.9
New Jersey.....	9.5	10.7	11.3	Alabama.....	7.3	9.0	8.5
Pennsylvania....	10.5	11.8	12.3	Mississippi.....	5.3	8.0	8.0
Ohio.....	8.7	9.7	11.0	Arkansas.....	6.4	8.6	9.5
Indiana.....	8.5	9.8	9.5	Louisiana.....	6.5	9.0	9.0
Illinois.....	8.0	9.0	10.0	Oklahoma.....	7.8	10.0	11.0
Michigan.....	9.0	9.8	11.0	Texas.....	4.9	7.1	8.0
Wisconsin.....	7.6	9.2	10.1	Montana.....	5.8	7.5	6.8
Minnesota.....	8.6	10.8	11.1	Idaho.....	6.1	7.8	7.1
Iowa.....	7.9	10.0	9.6	Wyoming.....	4.5	5.2	5.2
Missouri.....	7.4	8.8	8.5	Colorado.....	7.6	9.0	8.8
North Dakota....	7.7	8.1	9.2	New Mexico.....	7.9	9.0	10.0
South Dakota....	6.1	7.7	8.9	Arizona.....	8.2	9.5	8.6
Nebraska.....	6.5	8.6	8.3	Utah.....	6.9	7.5	9.0
Kansas.....	7.7	9.8	10.7	Nevada.....	8.2	9.5	9.2
Delaware.....	9.9	11.7	11.6	Washington.....	6.9	7.5	8.0
Maryland.....	9.6	11.4	11.5	Oregon.....	6.0	8.0	8.4
Virginia.....	8.3	9.8	9.8	California.....	8.6	11.0	12.0
				United States.....	7.8	9.5	10.0

MORE FORAGE FED TO MILK COWS IN 1967-68 WINTER FEEDING SEASON

The hay equivalent of forage fed to milk cows during the 1967-68 winter feeding season averaged 3.6 tons per cow, according to the Crop Reporting Board. This is up 0.1 ton from a year earlier. Hay equivalent of all forage increased in the West North Central, South Atlantic and Western Regions but was unchanged in other regions. The hay equivalent is based on hay fed plus an allowance of 1 ton of hay for every 3 tons of silage fed. Forage does not include pasture or the grazing of crop residues.

Hay feeding rate unchanged

Milk cows were fed an average of 2.4 tons of hay during the 1967-68 winter feeding period, the same rate as a year earlier. Feeding of hay increased 0.1 ton per cow in the West North Central and Western Regions, decreased 0.1 ton in the North Atlantic and was unchanged elsewhere. Regional averages of hay fed during the winter season ranged from 1.2 tons in the South Atlantic to 3.5 tons in the West. On a State basis, hay feeding rates ranged from 0.6 ton in Florida to 4.5 tons in Utah.

Alfalfa or alfalfa mixtures accounted for 74 percent of all hay fed. Clover or mixed clover hay was next in importance 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 accounted for 11 percent. In the North Central and Western Regions, alfalfa and alfalfa mixtures were especially important. Clover and clover mixtures were relatively important in the North and South Atlantic Regions, while "other" hay ranked just below alfalfa in the South Central.

Silage feeding increased

The feeding rate for silage during the 1967-68 winter feeding season averaged 3.6 tons per milk cow compared with 3.5 tons a year earlier. Feeding rates for silage increased in all regions except in the West North Central, where they were unchanged. Rates ranged from 1.9 tons per cow in the South Central to 4.9 tons in the South Atlantic.

Corn silage was the leading type in all regions, representing 82 percent of the total silage fed during the 1967-68 winter feeding season. This was 1 percentage point less than a year earlier. Grass silage accounted for 11 percent of the silage total, up 1 percentage point from a year earlier. Sorghum and "other" silage represented 4 and 3 percent, respectively, of all silage fed--the same as a year earlier.

Hay values decline

Reported values of hay fed to milk cows on February 1, 1968 averaged \$24.50 per ton, down \$2.35 from a year earlier. Average value of hay was lower in all regions, with decreases ranging from 41 cents per ton in the South Central to \$4.92 in the West. Based on reports of respondents, 90 percent fed baled hay, 5 percent fed loose hay, and 5 percent fed chopped hay. A year earlier 90 percent fed baled hay, 6 percent fed loose hay, and 4 percent fed chopped hay.

Slightly less hay purchased

Farmers purchased about 19 percent of the total tonnage of hay fed to milk cows during the 1967-68 winter feeding season. This is slightly less than a year earlier. Purchases of hay declined in all regions except the West North Central and West, where they were unchanged. The proportion of hay purchased ranged from 5 percent in the East North Central to 67 percent in the West.

Table 7.--Hay and silage fed per milk cow in herds kept by dairy reporters, winter feeding period ending in May, by States, 1967 and 1968 ^{1/}

State and division	Hay		Silage		Hay equivalent of all forage ^{2/}	
	1967	1968	1967	1968	1967	1968
	Tons	Tons	Tons	Tons	Tons	Tons
Me., N. H., Vt.	3.0	2.7	2.8	3.0	3.9	3.7
Mass., R. I., Conn.	2.0	1.8	4.3	4.4	3.5	3.3
N. Y.	2.8	2.7	4.3	4.5	4.2	4.2
N. J.	1.9	1.8	6.0	6.1	3.9	3.8
Pa.	1.8	1.8	3.3	3.7	2.9	3.0
N. Atl.	2.4	2.3	3.9	4.1	3.7	3.7
Ohio	2.4	2.2	3.9	4.1	3.7	3.6
Ind.	2.1	1.9	4.8	5.5	3.6	3.7
Ill.	2.2	2.0	4.5	4.0	3.7	3.3
Mich.	2.5	2.6	4.3	4.9	3.9	4.2
Wis.	2.6	2.7	4.7	4.8	4.2	4.3
E. N. Cent.	2.5	2.5	4.5	4.7	4.0	4.0
Minn.	2.8	3.0	3.8	3.9	4.1	4.3
Iowa	2.1	2.4	3.1	3.0	3.2	3.4
Mo.	2.5	2.3	3.5	3.1	3.6	3.4
N. Dak.	3.0	3.1	2.8	2.5	3.9	3.9
S. Dak.	2.2	2.4	3.5	3.3	3.4	3.5
Nebr.	2.1	2.0	2.1	2.5	2.8	2.9
Kans.	2.0	2.2	4.3	3.9	3.5	3.5
W. N. Cent.	2.5	2.6	3.4	3.4	3.6	3.7
Del., Md.	1.6	1.5	5.6	6.1	3.5	3.5
Va.	1.4	1.4	5.5	5.6	3.2	3.3
W. Va.	2.1	2.1	4.3	4.5	3.5	3.6
N. C.	1.1	1.0	5.8	5.8	3.0	3.0
S. C.	1.0	1.0	5.4	5.8	2.8	3.0
Ga.	1.0	1.0	4.6	4.6	2.5	2.5
Fla.	0.6	0.6	2.1	2.2	1.3	1.4
S. Atl.	1.2	1.2	4.7	4.9	2.8	2.9
Ky.	1.8	1.7	2.5	2.6	2.6	2.5
Tenn.	1.5	1.4	2.0	2.2	2.1	2.1
Ala.	1.1	1.3	2.2	2.5	1.8	2.1
Miss.	0.9	1.1	1.9	2.0	1.5	1.8
Ark.	2.1	2.0	1.5	1.7	2.6	2.6
La.	1.2	1.5	1.8	2.0	1.8	2.1
Okla.	2.4	2.3	1.7	1.8	3.0	2.9
Texas	2.4	2.2	0.9	0.8	2.7	2.5
S. Cent.	1.7	1.7	1.8	1.9	2.3	2.3
Mont.	3.7	3.5	1.0	1.2	4.1	3.9
Idaho	4.2	4.0	1.9	2.2	4.8	4.7
Wyo.	3.2	3.1	a/	a/	3.8	3.6
Colo.	3.3	3.1	3.9	3.7	4.6	4.3
N. Mex.	3.1	3.3	a/	a/	4.1	4.3
Ariz.	3.0	3.0	a/	a/	4.0	3.8
Utah	4.2	4.5	3.6	3.8	5.4	5.8
Nev.	4.0	4.2	a/	a/	4.5	4.7
Wash.	2.9	2.8	2.6	3.0	3.8	3.8
Oreg.	2.9	3.2	2.8	3.1	3.9	4.2
Calif.	3.4	3.6	1.7	1.6	4.0	4.1
West.	3.4	3.5	2.2	2.3	4.1	4.3
U. S.	2.4	2.4	3.5	3.6	3.5	3.6

^{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, 1967 and 1968 ^{1/}

State and division	Alfalfa or mixed alfalfa		Clover or mixed clover		Lespedeza		Coastal bermuda		Other	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt.	36	33	55	51	--	--	--	--	9	16
Mass., R. I., Conn.	45	39	47	46	--	--	--	--	8	15
N. Y.	61	63	22	19	--	--	--	--	17	18
N. J.	81	78	8	7	--	--	--	--	11	15
Pa.	55	50	28	26	--	--	--	--	17	24
N. Atl.	55	54	30	27	--	--	--	--	15	19
Ohio	73	67	22	25	--	--	--	--	5	8
Ind.	83	84	13	14	--	--	--	--	4	2
Ill.	90	88	9	10	--	--	--	--	1	2
Mich.	90	91	9	7	--	--	--	--	1	2
Wis.	89	90	10	10	--	--	--	--	1	--
E. N. Cent.	86	87	12	11	--	--	--	--	2	2
Minn.	82	85	11	8	--	--	--	--	7	7
Iowa	88	88	12	9	--	--	--	--	--	3
Mo.	79	78	8	7	4	3	--	--	9	12
N. Dak.	68	68	2	6	--	--	--	--	30	26
S. Dak.	81	87	--	3	--	--	--	--	19	10
Nebr.	88	88	1	1	--	--	--	--	11	11
Kans.	82	86	3	1	--	--	--	--	15	13
W. N. Cent.	82	84	8	7	1	--	--	--	9	9
Del., Md.	55	41	41	53	1	3	--	--	3	3
Va.	45	42	33	35	3	4	--	--	19	19
W. Va.	65	62	28	31	1	--	--	--	6	7
N. C.	18	19	22	22	18	16	12	9	30	34
S. C.	7	5	2	1	7	13	62	57	22	24
Ga.	7	6	3	2	13	11	54	54	23	27
Fla.	a/	a/	a/	a/	a/	a/	a/	a/	a/	a/
S. Atl.	36	32	25	28	6	6	14	13	19	21
Ky.	55	52	22	28	13	12	--	--	10	8
Tenn.	18	21	29	34	27	22	1	--	25	23
Ala.	2	1	13	8	16	11	27	34	42	46
Miss.	6	8	20	15	23	17	2	6	49	54
Ark.	41	34	11	11	10	12	2	4	36	39
La.	20	17	7	6	2	1	19	20	52	56
Okla.	64	67	--	--	2	2	--	1	34	30
Texas	47	50	--	--	--	1	15	15	38	34
S. Cent.	39	38	12	13	10	9	7	9	32	31
Mont.	95	95	3	2	--	--	--	--	2	3
Idaho	98	97	2	3	--	--	--	--	--	--
Wyo.	96	93	3	3	--	--	--	--	1	4
Colo.	94	94	1	2	--	--	--	--	5	4
N. Mex.	99	98	--	--	--	--	--	--	1	2
Ariz.	100	100	--	--	--	--	--	--	--	--
Utah	97	98	--	1	--	--	--	--	3	1
Nev.	100	96	--	--	--	--	--	--	--	4
Wash.	81	88	13	9	--	--	--	--	6	3
Oreg.	74	73	17	20	--	--	--	--	9	7
Calif.	96	91	1	1	--	--	--	--	3	8
West.	93	91	3	4	--	--	--	--	4	5
U. S.	75	74	13	13	1	1	1	1	10	11

^{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, 1967 and 1968 1/

State and division	Corn silage		Grass silage		Sorghum silage		Other silage	
	1967	1968	1967	1968	1967	1968	1967	1968
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Me., N.H., Vt.	84	84	14	16	---	---	2	1
Mass., R. I., Conn. ..	90	82	10	16	---	---	---	2
N. Y.	84	84	10	12	---	---	6	4
N. J.	82	85	8	11	2	2	8	2
Pa.	89	87	8	9	---	---	3	4
N. Atl.	86	84	10	12	---	---	4	4
Ohio	83	84	16	14	---	---	1	2
Ind.	81	81	16	13	---	1	3	5
Ill.	80	81	14	12	5	7	1	---
Mich.	89	86	9	12	2	2	---	---
Wis.	83	81	15	19	---	---	2	---
E. N. Cent.	84	82	14	16	1	1	1	1
Minn.	92	90	6	8	---	---	2	2
Iowa	82	83	12	15	2	1	4	1
Mo.	87	83	7	7	5	7	1	3
N. Dak.	94	90	4	10	1	---	1	---
S. Dak.	89	85	5	11	5	3	1	1
Nebr.	49	45	9	17	38	38	4	---
Kans.	41	43	---	---	59	52	---	5
W. N. Cent.	82	81	7	9	9	8	2	2
Del., Md.	90	91	4	6	1	2	5	1
Va.	92	89	3	3	3	4	2	4
W. Va.	90	87	6	10	---	---	4	3
N. C.	90	93	5	4	---	---	5	3
S. C.	78	84	---	4	18	8	4	4
Ga.	85	81	2	6	12	9	1	4
S. Atl.	86	86	3	4	4	3	7	7
Ky.	93	91	3	1	4	5	---	3
Tenn.	86	88	11	10	2	---	1	2
Ala.	77	78	6	4	11	13	6	5
Miss.	59	62	---	2	39	34	2	2
Okla.	16	11	5	8	74	78	5	3
Texas	29	35	---	---	67	58	4	7
S. Cent.	67	72	4	4	27	21	2	3
Mont.	89	84	10	16	---	---	1	---
Idaho	94	94	6	6	---	---	---	---
Colo.	93	90	1	1	4	9	2	---
Utah	94	88	1	5	5	3	---	4
Wash.	32	38	52	42	---	---	16	20
Oreg.	54	60	43	39	---	---	3	1
Calif.	96	92	3	6	---	---	1	2
West.	80	79	14	14	3	2	3	5
U. S.	83	82	10	11	4	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, loose, and chopped hay, by States, February 1, 1967 and 1968 1/

State and division	Value per ton				Number of reports as percentage of total					
	Baled		All 2/		Baled		Loose		Chopped	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
	Dol.	Dol.	Dol.	Dol.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt.	28.50	25.00	28.50	25.00	97	97	1	1	2	2
Mass., R. I., Conn. .	38.00	34.00	38.00	34.00	95	98	0	0	5	2
N. Y.	27.00	24.00	27.00	24.00	96	97	2	1	2	2
N. J.	42.00	35.00	42.00	35.00	98	99	0	0	2	1
Pa.	35.00	29.00	35.00	29.00	98	98	1	1	1	1
N. Atl.	30.62	26.48	30.57	25.71	97	97	1	1	2	2
Ohio	26.00	28.00	25.50	28.00	94	95	3	2	3	3
Ind.	25.50	27.00	25.50	27.00	95	95	0	1	5	4
Ill.	24.50	23.50	24.50	23.50	95	94	1	2	4	4
Mich.	21.00	21.50	21.00	21.00	90	90	3	1	7	9
Wis.	23.00	20.50	22.50	20.00	86	84	3	2	11	14
E. N. Cent.	23.46	22.39	23.13	21.96	90	89	2	2	8	9
Minn.	20.00	21.00	20.00	21.00	93	94	4	4	3	2
Iowa	21.50	20.50	21.00	20.50	93	94	2	2	5	4
Mo.	25.50	23.50	25.50	23.50	97	96	1	1	2	3
N. Dak.	18.00	19.00	16.50	17.00	61	62	36	35	3	3
S. Dak.	23.00	21.50	22.50	20.50	58	60	36	33	6	7
Nebr.	22.50	20.50	22.50	19.00	59	59	35	32	6	9
Kans.	26.50	21.50	25.50	21.00	88	88	10	9	2	3
W. N. Cent.	21.50	21.09	21.07	20.62	84	85	12	11	4	4
Del., Md.	42.00	34.00	41.50	34.00	98	97	1	1	1	2
Va.	38.00	36.00	37.50	35.50	94	95	5	4	1	1
W. Va.	36.00	33.00	35.50	32.50	83	88	17	12	0	0
N. C.	35.00	33.00	35.00	33.00	94	92	6	6	0	2
S. C.	33.00	34.00	32.00	33.50	86	90	12	8	2	2
Ga.	30.50	30.50	30.00	30.50	97	99	2	0	1	1
Fla. 3/	---	---	32.00	34.00	---	---	---	---	---	---
S. Atl.	36.35	33.89	36.12	33.58	93	94	6	5	1	1
Ky.	27.50	27.00	27.00	27.00	92	95	7	4	1	1
Tenn.	29.00	29.00	28.50	29.00	94	95	5	3	1	2
Ala.	29.50	29.00	29.50	29.00	84	88	7	4	9	8
Miss.	27.00	26.50	26.50	26.00	91	93	4	3	5	4
Ark.	25.50	25.00	25.50	25.00	93	93	5	5	2	2
La.	28.50	24.00	28.50	24.00	98	98	1	0	1	2
Okla.	29.00	26.00	28.50	25.50	95	96	2	1	3	3
Texas	30.50	31.00	30.00	31.00	95	97	3	1	2	2
S. Cent.	28.44	27.79	28.11	27.70	93	95	5	3	2	2
Mont.	27.50	24.00	26.50	23.00	73	71	23	21	4	8
Idaho	28.00	21.50	28.00	21.00	94	93	5	4	1	3
Wyo.	31.50	21.00	30.50	21.00	84	84	14	11	2	5
Colo.	26.50	27.00	26.00	26.50	89	88	7	8	4	4
N. Mex.	31.00	36.00	30.50	36.00	94	96	4	1	2	3
Ariz.	37.00	33.00	37.50	32.50	97	96	0	0	3	4
Utah	31.50	24.50	31.00	24.50	93	93	3	2	4	5
Nev.	32.00	24.50	32.00	24.50	89	89	0	0	11	11
Wash.	31.50	24.50	31.50	24.50	94	96	4	2	2	2
Oreg.	32.50	27.00	29.50	26.50	93	90	3	4	4	6
Calif.	37.50	32.00	37.50	32.00	98	96	2	1	0	3
West.	33.51	28.45	33.18	28.26	92	91	6	5	2	4
U. S.	27.15	24.93	26.85	24.50	89.5	89.8	6.4	5.5	4.1	4.7

1/ Reporters were requested to report value only for the type of hay being fed. 2/ Includes reports on value of baled, loose, or chopped 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, 1967 and 1968 ^{1/}

State and division	1967	1968	State and division	1967	1968
	Percent	Percent		Percent	Percent
Me., N. H., Vt.	8	7	S. C.	19	19
Mass., R. I., Conn.	17	17	Ga.	21	16
N. Y.	5	3	Fla.	a/	a/
N. J.	20	23	S. Atl.	18	16
Pa.	10	6			
N. Atl.	8	6	Ky.	7	6
Ohio	8	11	Tenn.	6	4
Ind.	8	6	Ala.	25	28
Ill.	8	6	Miss.	7	9
Mich.	7	5	Ark.	45	41
Wis.	4	3	La.	31	28
E. N. Cent.	6	5	Okla.	47	53
Minn.	4	3	Texas	60	56
Iowa	4	5	S. Cent.	31	30
Mo.	11	15	Mont.	28	29
N. Dak.	6	8	Idaho	29	35
S. Dak.	7	9	Wyo.	35	40
Nebr.	18	19	Colo.	56	58
Kans.	20	13	N. Mex.	76	86
W. N. Cent.	7	7	Ariz.	83	93
Del., Md.	12	12	Utah	36	35
Va.	7	5	Nev.	54	65
W. Va.	24	20	Wash.	60	68
N. C.	19	16	Oreg.	55	52
			Calif.	87	81
			West.	67	67
			U. S.	19.3	19.1

^{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.