

MILK PRODUCTION

December 11, 1964

Special in this issue
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SUMMARY

United States milk production during November is estimated at 9,370 million pounds -- about 2 percent more than a year earlier and a new record high for the month. Average daily production increased slightly from October to November this year, for the first time on record. November milk production amounted to 1.62 pounds per person daily, the same rate as in October and slightly above a year earlier for the first time this year.

Milk output averaged 588 pounds per cow during November -- up 4 percent from November a year ago. Daily production averaged 19.6 pounds per cow, compared with 19.5 pounds in October. Reporters fed an average of 8.9 pounds of grain and concentrates per cow on December 1, 9 percent more than a year earlier.

Table 1.-Milk per cow and milk production by months, United States, 1964 with comparisons

Month	Milk per cow			Milk production			
	Average 1958-62	1963	1964	Average 1958-62	1963	1964	Change from 1963
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
January.....	549	599	620	9,867	10,065	10,066	0
February....	526	565	608	9,421	9,470	9,842	+3.9
March.....	603	651	681	10,778	10,879	11,007	+1.2
April.....	622	672	704	11,088	11,196	11,346	+1.3
May.....	694	742	767	12,331	12,315	12,330	+0.1
June.....	671	715	734	11,901	11,841	11,790	-0.4
July.....	617	658	675	10,913	10,861	10,824	-0.3
August.....	573	615	636	10,114	10,130	10,177	+0.5
September...	536	582	602	9,450	9,558	9,626	+0.7
October.....	540	584	605	9,489	9,557	9,652	+1.0
November....	516	564	588	9,054	9,205	9,370	+1.8
December....	547	596		9,580	9,706		
Annual....	6,995	7,545		123,986	124,783		

Table 2.-Monthly milk per cow and milk production,
November 1964, with comparisons

State	Monthly milk per cow 1/			Milk production			
	Nov. av. 1958-62 2/	Nov. 1963	Nov. 1964	Nov. av. 1958-62 2/	Nov. 1963	Nov. 1964	Change from 1963
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	645	660	-	58	58	0
New Hampshire.....	-	630	650	-	31	31	0
Vermont.....	-	590	610	-	148	149	+ 1
Massachusetts.....	-	760	770	-	65	64	- 2
Rhode Island.....	-	720	725	-	8.6	8.2	- 5
Connecticut.....	-	740	750	-	56	55	- 2
New York.....	604	652	689	756	784	819	+ 4
New Jersey.....	685	747	750	89	86	84	- 2
Pennsylvania.....	580	630	645	511	525	524	0
Ohio.....	608	661	675	411	408	400	- 2
Indiana.....	560	635	660	240	250	256	+ 2
Illinois.....	544	610	645	310	302	303	0
Michigan.....	638	710	740	411	442	457	+ 3
Wisconsin.....	583	630	640	1,254	1,335	1,354	+ 1
Minnesota.....	534	560	610	681	706	765	+ 8
Iowa.....	477	535	565	406	414	431	+ 4
Missouri.....	384	405	410	253	241	233	- 3
North Dakota.....	366	390	400	102	98	98	0
South Dakota.....	370	400	415	91	91	93	+ 2
Nebraska.....	395	445	455	128	124	122	- 2
Kansas.....	455	520	525	152	155	150	- 3
Delaware.....	-	580	590	-	13.3	13.0	- 2
Maryland.....	546	580	590	118	122	122	0
Virginia.....	470	500	515	156	152	149	- 2
West Virginia.....	387	408	428	50	45	45	0
North Carolina.....	466	510	520	126	126	126	0
South Carolina.....	401	445	470	44	43	43	0
Georgia.....	379	395	410	82	74	74	0
Florida.....	564	620	660	1 06	111	117	+ 5
Kentucky.....	358	390	404	180	185	184	- 1
Tennessee.....	320	317	330	158	148	146	- 1
Alabama.....	297	326	348	72	69	70	+ 1
Mississippi.....	253	285	305	91	84	84	0
Arkansas.....	325	330	360	71	60	61	+ 2
Louisiana.....	-	355	380	-	77	78	+ 1
Oklahoma.....	448	495	520	113	102	102	0
Texas.....	406	458	500	233	232	238	+ 3
Montana.....	424	445	440	33	31	29	- 6
Idaho.....	571	591	595	114	113	111	- 2
Wyoming.....	445	495	495	13.2	12.7	12.4	- 2
Colorado.....	532	615	610	65	66	63	- 5
New Mexico.....	-	575	575	-	23	24	+ 4
Arizona.....	-	790	830	-	40	43	+ 8
Utah.....	611	640	680	58	58	58	0
Nevada.....	591	685	740	8.9	9.6	10.7	+11
Washington.....	627	701	710	146	153	153	0
Oregon.....	467	490	500	74	69	68	- 1
California.....	770	814	856	631	646	678	+ 5
Alaska.....	-	690	730	-	1.8	1.8	0
Hawaii.....	-	760	825	-	10.7	11.8	+10
United States.....	516	564	588	9,054	9,205	9,370	+ 1.8

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

2/ Five-year averages not available for States where not shown.

November milk production 2 percent above last year

United States milk production during November is estimated at 9,370 million pounds. This is about 2 percent more than a year earlier and slightly above the previous record high for the month set in 1962. Average daily production increased slightly from October to November this year, for the first time on record. Relative to population, November milk production amounted to 1.62 pounds per person daily, the same rate as in October and slightly above a year earlier for the first time this year.

November milk production was above a year earlier in 19 States. Of the top 10 States, 7 (Wisconsin, New York, Minnesota, California, Michigan, Iowa, and Indiana) showed increases in production of 1 percent or more from November a year ago. Production was about the same as in November 1963 in Pennsylvania and Illinois, and down 2 percent in Ohio.

Milk production per cow 4 percent above November 1963

Milk production per cow during November averaged 588 pounds -- up 4 percent from the 564 pounds produced a year earlier and 14 percent above the 1958-62 average for the month. On a daily basis, November production averaged 19.6 pounds per cow compared with 19.5 pounds in October. This slight seasonal increase in the average daily rate per cow is the first of record for October to November. Heavier fall feeding of grain and concentrates, and shifts to fall freshening for "base-making" are contributing factors to the changing seasonal pattern of milk production. Output per cow during November was at a record level for the month in 46 States. California, with 856 pounds of milk per cow, led all other States - followed by Hawaii with 825 pounds.

Grain and concentrates feeding rate up 9 percent

Reported rates of feeding grain and concentrates on December 1 averaged 8.9 pounds per cow. This is a record high level for the date and 9 percent more than was fed on December 1 last year. Grain feeding rates increased generally across the Nation, with higher rates in 37 States. Grains and concentrates were being fed at an average of 10 or more pounds per cow on December 1 in 12 States, compared with 7 States on December 1, 1963.

Milk-feed price ratio 3 percent above November a year ago

The milk-feed price ratio during November averaged 1.53, or 3 percent more favorable to producers than the 1.48 a year earlier. The increase in the ratio was the result of higher wholesale milk prices and lower value of concentrate rations. The November ratio was up 2 percent from October compared with the average seasonal increase of 1 percent. The November milkfat-feed price ratio was 23.9 compared with 23.3 a year earlier and the 1958-62 average for the month of 25.8.

Table 3.-Grain and other concentrates fed daily per milk cow in herds kept by reporters, December 1, 1964, with comparisons

State	Dec. 1, av. 1958-62	Dec. 1 1963	Dec. 1 1964	State	Dec. 1, av. 1958-62	Dec. 1 1963	Dec. 1 1964
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	8.0	8.6	9.0	West Virginia.....	5.1	6.2	6.6
New Hampshire...	7.8	8.6	9.5	North Carolina....	7.4	8.7	9.2
Vermont.....	7.3	8.6	8.8	South Carolina....	6.6	7.0	6.8
Massachusetts...	8.1	9.3	10.5	Georgia.....	6.5	9.3	9.6
Rhode Island....	9.0	10.4	10.8	Florida.....	6.0	6.6	6.5
Connecticut.....	8.7	10.0	10.0				
New York.....	8.2	9.2	9.5	Kentucky.....	6.5	6.9	7.6
New Jersey.....	9.3	10.7	10.7	Tennessee.....	6.3	6.4	7.0
Pennsylvania....	9.3	10.8	11.8	Alabama.....	5.9	7.0	8.0
				Mississippi.....	4.7	4.3	5.0
Ohio.....	8.8	9.8	10.4	Arkansas.....	5.6	7.7	7.7
Indiana.....	8.0	9.2	10.0	Louisiana.....	5.0	6.0	7.2
Illinois.....	7.5	8.4	9.2	Oklahoma.....	7.2	7.5	8.4
Michigan.....	8.8	10.0	10.6	Texas.....	5.9	7.0	6.5
Wisconsin.....	7.6	8.0	8.7				
				Montana.....	5.1	4.8	4.4
Minnesota.....	7.5	8.6	9.6	Idaho.....	5.1	6.2	6.0
Iowa.....	7.7	7.9	8.7	Wyoming.....	4.9	5.0	4.9
Missouri.....	7.0	8.5	8.0	Colorado.....	6.6	7.0	8.0
North Dakota....	6.6	7.6	8.6	New Mexico.....	6.1	6.5	8.0
South Dakota....	5.1	6.2	6.7	Arizona.....	5.5	7.2	8.1
Nebraska.....	6.3	7.5	8.5	Utah.....	5.9	6.5	6.6
Kansas.....	7.5	7.9	8.2	Nevada.....	4.9	6.4	8.0
				Washington.....	6.8	8.6	8.1
Delaware.....	8.5	10.2	10.5	Oregon.....	5.2	5.3	6.6
Maryland.....	9.0	10.1	11.0	California.....	7.6	9.0	10.0
Virginia.....	7.5	9.5	10.0	United States.....	7.3	8.2	8.9

Table 4.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, November 1964, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Nov. av. 1958-62	Nov. 1963	Oct. 1964	Nov. 1964	Nov. av. 1958-62	Nov. 1963	Oct. 1964	Nov. 1964
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	5.32	5.17	5.14	5.16	3.50	3.62	3.58	3.56
E. N. Cent. ..	4.01	3.95	4.02	4.09	2.64	2.77	2.82	2.78
W. N. Cent. ..	3.68	3.61	3.73	3.74	2.23	2.39	2.46	2.42
S. Atl.	5.70	5.71	5.77	5.84	3.29	3.39	3.32	3.34
S. Cent.	5.08	5.13	5.06	5.29	2.98	3.18	3.06	3.05
West.	4.62	4.56	4.49	4.63	3.13	3.22	3.14	3.16
U. S.								
Milk areas....	4.54	4.48	4.50	4.57	2.90	3.03	3.01	2.99
Cream areas...	-	-	-	-	2.37	2.50	2.53	2.49
Milk and cream areas.....	-	-	-	-	2.85	3.00	3.00	2.97

Table 5.-Milk-feed and milkfat-feed price ratios, by regions, November 1964, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Nov. av. 1958-62	Nov. 1963	Oct. 1964	Nov. 1964	Nov. av. 1958-62	Nov. 1963	Oct. 1964	Nov. 1964
N. Atl.	1.52	1.43	1.44	1.45	-	-	-	-
E. N. Cent. ..	1.52	1.43	1.43	1.47	21.4	20.0	19.9	20.3
W. N. Cent. ..	1.65	1.51	1.52	1.55	28.2	24.7	24.6	25.0
S. Atl.	1.73	1.68	1.74	1.75	-	-	-	-
S. Cent.	1.71	1.61	1.65	1.73	17.5	16.2	16.8	16.9
West.	1.47	1.42	1.43	1.47	19.1	18.2	18.5	18.3
U. S.	1.57	1.48	1.50	1.53	25.8	23.3	23.5	23.9

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.-Hay, silage, and green feed fed per milk cow in herds kept by dairy reporters, summer feeding season, 1963 and 1964 ^{1/}

State and division	Hay		Silage		Green feed ^{2/}		Hay equiv. of all roughage fed ^{3/}	
	1963	1964	1963	1964	1963	1964	1963	1964
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Me., N. H., Vt. ....	.2	.3	.2	.2	.4	.6	.4	.6
Mass., R. I., Conn. ....	.3	.5	.3	.4	.3	.7	.5	.9
N. Y. ....	.3	.4	.4	.5	.3	.6	.5	.8
N. J. ....	.5	.4	1.3	1.0	1.1	1.6	1.3	1.3
Pa. ....	.5	.6	.7	.8	.6	.8	.9	1.1
N. Atl. ....	.34	.46	.54	.58	.50	.72	.70	.89
Ohio. ....	.3	.4	.7	.8	.4	.4	.6	.8
Ind. ....	.4	.4	.8	.8	.3	.2	.8	.7
Ill. ....	.4	.6	.9	.8	1.3	.8	1.1	1.1
Mich. ....	.4	.4	.8	.6	1.0	1.3	1.0	1.0
Wis. ....	.3	.4	.9	1.0	.5	.6	.8	.9
E. N. Cent. ....	.32	.42	.90	.88	.64	.67	.83	.94
Minn. ....	.4	.5	.6	.7	.5	.5	.8	.9
Iowa. ....	.4	.4	.3	.4	.7	.6	.7	.7
Mo. ....	.2	.3	.5	.4	.5	.6	.6	.6
N. Dak. ....	.4	.4	@	@	@	@	.6	.6
S. Dak. ....	.3	.3	.7	.8	@	@	.6	.6
Nebr. ....	.4	.6	.2	.2	.3	.4	.7	.8
Kans. ....	.4	.3	@	@	@	.5	.6	.5
W. N. Cent. ....	.40	.44	.45	.54	.50	.51	.72	.79
Del., Md. ....	.4	.3	1.1	1.0	.5	1.0	.9	1.0
Va. ....	.3	.4	.7	1.1	.4	.3	.6	.9
W. Va. ....	.2	.2	.6	.5	@	@	.5	.4
N. C. ....	.3	.3	1.3	1.1	.4	@	.8	.7
S. C. ....	.3	.3	1.0	.4	.4	.2	.8	.5
Ga. ....	.3	.4	.5	.4	.4	.4	.6	.7
Fla.	@	@	@	@	@	@	@	@
S. Atl. ....	.30	.31	.70	.80	.40	.61	.70	.78
Ky. ....	.3	.5	.5	.7	@	.2	.7	.8
Tenn. ....	.2	.3	.4	.3	.2	.1	.4	.4
Ala. ....	.3	.5	.4	.4	.3	@	.5	.7
Miss. ....	.3	.5	@	@	@	@	.3	.5
Ark. ....	.4	.5	@	@	@	@	.5	.7
La. ....	.4	.3	@	@	@	@	.6	.4
Okla. ....	.6	.5	.4	.5	.3	.3	.8	.8
Tex. ....	.6	.6	.1	.1	.2	.4	.7	.8
S. Cent. ....	.43	.48	.30	.30	.20	.23	.60	.66
Mont. ....	.8	.8	@	@	@	@	1.2	1.0
Idaho. ....	.9	.9	@	@	@	@	1.0	.9
Wyo.	1.0	1.0	@	@	@	@	1.5	1.0
Colo.	1.4	1.4	.4	1.0	@	@	1.8	1.8
N. Mex.	1.2	1.5	@	@	@	@	1.6	1.9
Ariz. ....	.8	1.6	.4	.4	@	@	1.2	1.9
Utah.	1.6	1.4	.3	.2	.3	.3	1.8	1.6
Nev.	@	@	@	@	@	@	@	@
Wash. ....	.5	.4	.4	@	.7	.8	.8	.7
Oreg. ....	.5	.3	.6	@	@	@	1.0	.8
Calif.	1.3	1.4	.3	@	.8	1.3	1.7	1.9
West.	1.30	1.20	.30	.21	.80	.91	1.67	1.57
U. S. ....	.52	.53	.58	.61	.53	.63	.89	.94

^{1/} Based on tonnage fed during the June-September summer feeding season, as reported on November 1, divided by number of milk cows on farms where some kind of roughage was fed.

^{2/} Legumes, grasses, small grains, corn, sorghum, etc. cut and fed green.

^{3/} Using 3 tons of silage or green feed as equivalent to 1 ton of hay.

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

Table 7.-Hay: Percentage, by kinds, fed to milk cows in herds kept by dairy reporters, summer feeding season, 1963 and 1964 ^{1/}

State and division	Alfalfa or mixed alfalfa		Clover or mixed clover		Lespedeza		Coastal bermuda		Other	
	1963	1964	1963	1964	1963	1964	1963	1964	1963	1964
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt.	38	35	51	52	-	-	-	-	11	13
Mass., R. I., Conn. . .	30	35	58	55	-	-	-	-	12	10
N. Y.	70	65	27	25	-	-	-	-	3	10
N. J.	68	74	19	17	-	-	-	-	13	9
Pa.	59	62	19	24	-	-	-	-	22	14
N. Atl.	60	60	26	28	-	-	-	-	14	12
Ohio.....	82	84	13	14	-	-	-	-	5	2
Ind.	77	79	15	14	-	-	-	-	8	7
Ill.	86	91	13	9	-	-	-	-	1	-
Mich.	91	88	8	11	-	-	-	-	1	1
Wis.	92	91	7	8	-	-	-	-	1	1
E. N. Cent.	88	89	10	10	-	-	-	-	2	1
Minn.	87	92	10	4	-	-	-	-	3	4
Iowa.....	94	91	4	8	-	-	-	-	2	1
Mo.	80	79	5	1	5	12	-	-	10	8
N. Dak.	@	84	@	-	-	-	-	-	@	16
S. Dak.	92	88	-	-	-	-	-	-	8	12
Nebr.	92	80	1	-	-	-	-	-	7	20
Kans.	96	95	-	-	-	-	-	-	4	5
W. N. Cent.	89	90	6	4	-	-	-	-	5	6
Del., Md.	55	57	28	34	9	5	-	-	8	4
Va.	54	39	27	53	4	1	-	-	15	7
W. Va.	58	53	37	39	-	-	-	-	5	8
N. C.	30	19	31	31	15	11	2	4	22	35
S. C.	20	8	5	-	25	12	18	58	32	22
Ga.	20	8	2	-	3	3	35	71	40	18
Fla.	@	@	@	@	@	@	@	@	@	@
S. Atl.	38	35	16	32	4	3	3	15	39	15
Ky.	69	48	12	30	14	14	-	-	5	8
Tenn.	38	47	15	11	27	25	-	2	20	15
Ala.	7	2	13	3	14	5	11	45	55	45
Miss.	7	1	11	21	32	42	2	3	48	33
Ark.	24	20	22	15	19	25	3	-	32	40
La.	@	20	@	11	@	7	@	17	@	45
Okla.	78	76	2	-	4	4	1	-	15	20
Tex.	63	58	1	2	1	-	4	3	31	37
S. Cent.	54	43	4	11	6	9	4	7	32	30
Mont.	97	94	-	4	-	-	-	-	3	2
Idaho.....	98	99	1	1	-	-	-	-	1	-
Wyo.	99	100	1	-	-	-	-	-	-	-
Colo.	99	98	-	-	-	-	-	-	1	2
N. Mex.	99	100	-	-	-	-	-	-	1	-
Ariz.	98	100	-	-	-	-	-	-	2	-
Utah.....	98	98	1	2	-	-	-	-	1	-
Nev.	100	100	-	-	-	-	-	-	-	-
Wash.	74	74	19	14	-	-	-	-	7	12
Oreg.	78	64	18	28	-	-	-	-	4	8
Calif.	98	97	-	1	-	-	-	-	2	2
West.	98	97	1	1	-	-	-	-	1	2
U. S.	82	79	8	12	1	1	1	1	8	7

^{1/} For June-September summer feeding period as reported November 1.

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

Table 8.-Silage: Percentage, by kind, fed to milk cows in herds kept by dairy reporters, summer feeding season, 1963 and 1964 ^{1/}

State and division	Corn silage		Grass silage		Sorghum silage		Other silage	
	1963	1964	1963	1964	1963	1964	1963	1964
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt.	71	64	29	23	-	-	-	13
Mass., R. I., Conn. ...	49	55	33	33	-	-	18	12
N. Y.	60	78	38	14	-	-	2	8
N. J.	54	65	28	22	5	2	13	11
Pa.	32	59	47	29	-	-	21	12
N. Atl.	46	67	41	23	1	-	12	10
Ohio.....	26	29	70	67	-	-	4	4
Ind.	36	46	63	47	-	4	1	3
Ill.	56	47	36	49	3	2	5	2
Mich.	63	57	36	35	-	-	1	8
Wis.	66	61	23	31	-	-	11	8
E. N. Cent.	57	54	33	39	2	1	8	6
Minn.	75	67	19	16	-	-	6	17
S. Dak.	77	63	11	28	7	1	5	8
Nebr.	50	47	10	16	10	8	30	29
W. N. Cent.	66	61	10	16	8	4	16	19
Del., Md.	47	49	40	28	3	14	10	9
Va.	70	50	8	14	-	2	22	34
N. C.	81	79	6	3	5	4	8	14
S. C.	65	66	12	24	5	-	18	10
Ga.	88	92	4	-	8	8	-	-
S. Atl.	66	59	18	17	3	7	13	17
Ky.	72	70	24	29	4	1	-	-
Tenn.	55	74	31	24	3	-	11	2
Okla.	18	23	3	-	69	77	10	-
S. Cent.	44	50	27	23	19	23	10	4
West.	43	55	17	14	18	16	22	15
U. S.	55	59	29	28	5	3	11	10

^{1/} For June-September summer feeding season, as reported on November 1. Data are shown only for those States where the reported amount fed was sufficient to provide a stable breakdown by kinds.

ROUGHAGE FED TO MILK COWS, 1964 SUMMER FEEDING SEASON

More supplemental roughage fed to milk cows in 1964 summer feeding season

Reflecting poor pasture conditions and increased specialization in the dairy enterprise, dairy-men fed milk cows more roughage -- hay, silage, and green feed -- during the 1964 summer feeding period than in 1963. The hay equivalent of all roughage fed was 0.94 ton per cow in 1964, compared with 0.89 ton in 1963. Roughage fed per cow increased in all regions except the West: the largest increase -- 27 percent -- was in the North Atlantic. In the West roughage feeding was down 6 percent from the 1963 level. Use of harvested green feed was up 19 percent from the 1963 summer feeding season -- the 0.63 ton fed per cow in 1964 compares with 0.53 ton in 1963. The feeding rate for green feed was higher than in 1963 in each region; the largest increases occurred in the North and South Atlantic. Nationally, the silage feeding rate averaged 0.61 ton per cow during the 1964 summer feeding season, compared with 0.58 ton in 1963. From 1963 to 1964 the silage feeding rate increased 20 percent in the West North Central Region, 14 percent in the South Atlantic and 7 percent in the North Atlantic. By contrast, the silage feeding rate was down sharply in the Western Region, decreased slightly in the East North Central and was unchanged in the South Central. Hay feeding rates averaged 0.53 ton per cow for the United States during the 1964 summer feeding period, 2 percent more than was fed in 1963. Most of the increased feeding of hay occurred in the North Atlantic and East North Central Regions.

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Alfalfa or mixed alfalfa hay predominate in summer feeding

Alfalfa or mixed alfalfa hay was the most common kind of hay fed to milk cows, representing 79 percent of all hay fed during the 1964 summer feeding season. The percentage of alfalfa hay increased from 1963 in the North Central States and represented about 90 percent of the hay fed during the 1964 summer season in that area. Although down slightly from a year earlier, alfalfa or mixed alfalfa still represented 97 percent of the hay fed in the Western Region. Nationally, clover or mixed clover hay represented 12 percent of the hay fed to milk cows in the 1964 summer feeding period, compared with 8 percent in 1963. Most of the increase in feeding of clover hay occurred in the South Atlantic and South Central Regions. Lespedeza hay feeding was limited generally to the South Atlantic and South Central regions and represented only 1 percent of the hay fed in the U. S. in both the 1963 and 1964 summer feeding seasons. Coastal Bermuda hay also represented 1 percent of the hay fed during the 1963 and 1964 summer feeding seasons. Its use as supplemental roughage was confined to the South Atlantic and South Central Regions.

Corn silage most common kind for summer feeding

In feeding silage during the 1964 summer feeding season, dairymen fed more corn silage than any other kind -- 59 percent of the silage fed in the 1964 summer feeding season compared with 55 percent in 1963. Corn silage represented 50 percent or more of the silage fed in all regions. Grass silage amounted to 28 percent of the national total in 1964 compared with 29 percent in 1963. Grass silage was more popular as a feed in the North Atlantic, East North Central, and South Central Regions than in other areas. Although representing only 3 percent of the national total, sorghum silage was a substantial percentage of the silage fed in the South Central and Western Regions.