

# MILK PRODUCTION

December 13, 1965

Special in this issue  
 ROUGHAGE FED TO MILK COWS--1965  
 SUMMER FEEDING SEASON, page 5

## SUMMARY

Milk production in the United States during November is estimated at 9,134 million pounds, 3 percent below the record high for November set in 1964 and the smallest for the month since 1960. Average daily production declined slightly from October to November this year, compared to a slight increase in the corresponding months last year. November milk production amounted to 1.56 pounds per person daily, 4 percent below a year earlier for the third successive month.

Milk output per cow is estimated at 593 pounds for November. The gain of 2 pounds per cow from November 1964 was the smallest year-to-year gain since February 1955. The average daily rate of 19.8 pounds of milk output per cow in November was unchanged from October. Reported feeding of grain and concentrates to milk cows on December 1 averaged 9.2 pounds per cow, 3 percent more than a year earlier. This percentage increase from a year earlier was the smallest in 1965 and the smallest year-to-year gain for the date since 1960.

Table 1.-Milk per cow and milk production by months, United States, 1965 with comparisons

Month	Milk per cow			Milk production			
	Average 1959-63	1964	1965	Average 1959-63	1964	1965	Change from 1964
	Pounds	Pounds	Pounds	Million Pounds	Million Pounds	Million Pounds	Percent
January.....	569	625	652	9,937	10,148	10,342	+1.9
February.....	543	613	618	9,474	9,937	9,796	-1.4
March.....	622	686	706	10,832	11,099	11,155	+0.5
April.....	641	705	724	11,125	11,383	11,416	+0.3
May.....	710	767	781	12,314	12,356	12,300	-0.5
June.....	685	735	756	11,857	11,820	11,773	-0.4
July.....	629	678	701	10,869	10,874	10,888	+0.1
August.....	586	639	655	10,107	10,235	10,151	-0.8
September.....	552	603	610	9,490	9,636	9,443	-2.0
October.....	555	608	613	9,536	9,700	9,473	-2.3
November.....	532	591	593	9,121	9,419	9,134	-3.0
December.....	564	628		9,651	9,991		
Annual.....	7,192	7,880		124,313	126,598		

Table 2.-Monthly milk per cow and milk production,  
November 1965, with comparisons

State	Monthly milk per cow 1/			Milk production			
	Nov. av. 1959-63 2/	Nov. 1964	Nov. 1965	Nov. av. 1959-63 2/	Nov. 1964	Nov. 1965	Change from 1964
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	690	695	-	58	57	- 2
New Hampshire.....	-	640	670	-	28	28	0
Vermont.....	-	635	650	-	151	151	0
Massachusetts.....	-	790	805	-	64	63	- 2
Rhode Island.....	-	770	785	-	8.2	8.0	- 2
Connecticut.....	-	770	800	-	57	58	+ 2
New York.....	625	688	695	775	823	808	- 2
New Jersey.....	707	745	775	89	82	82	0
Pennsylvania.....	599	645	690	520	524	540	+ 3
Ohio.....	626	682	715	412	401	399	0
Indiana.....	584	675	680	242	258	245	- 5
Illinois.....	566	660	640	307	308	282	- 8
Michigan.....	657	740	730	418	457	439	- 4
Wisconsin.....	593	639	600	1,268	1,351	1,254	- 7
Minnesota.....	543	615	565	690	778	701	- 10
Iowa.....	493	580	555	409	450	411	- 9
Missouri.....	389	409	440	248	231	233	+ 1
North Dakota.....	376	405	370	101	97	83	- 14
South Dakota.....	381	420	430	92	98	96	- 2
Nebraska.....	410	461	445	127	127	116	- 9
Kansas.....	472	530	510	151	149	136	- 9
Delaware.....	-	590	610	-	13.0	13.4	+ 3
Maryland.....	558	590	610	120	121	122	+ 1
Virginia.....	483	520	550	156	149	152	+ 2
West Virginia.....	395	425	430	48	45	43	- 4
North Carolina.....	479	526	550	126	125	126	+ 1
South Carolina.....	418	465	495	44	42	43	+ 2
Georgia.....	388	410	460	80	73	76	+ 4
Florida.....	586	615	640	109	109	116	+ 6
Kentucky.....	368	410	435	181	183	191	+ 4
Tennessee.....	323	345	360	157	157	158	+ 1
Alabama.....	306	348	380	71	70	74	+ 6
Mississippi.....	265	305	330	90	84	86	+ 2
Arkansas.....	328	355	395	68	61	64	+ 5
Louisiana.....	-	390	415	-	81	83	+ 2
Oklahoma.....	470	525	540	111	102	102	0
Texas.....	423	495	540	232	236	244	+ 3
Montana.....	436	440	450	33	30	29	- 3
Idaho.....	584	595	590	115	109	103	- 6
Wyoming.....	457	495	485	13.1	12.9	12.4	- 4
Colorado.....	554	615	640	65	67	66	- 1
New Mexico.....	-	575	600	-	23	24	+ 4
Arizona.....	-	810	870	-	43	45	+ 5
Utah.....	621	670	670	58	58	57	- 2
Nevada.....	617	740	800	9.2	10.7	10.7	0
Washington.....	649	715	715	149	156	150	- 4
Oregon.....	473	495	510	73	67	65	- 3
California.....	788	859	860	640	678	674	- 1
Alaska.....	-	710	755	-	1.70	1.59	- 6
Hawaii.....	-	800	815	-	11.5	12.8	+ 11
United States.....	532	591	593	9,121	9,419	9,134	- 3.0

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 down 3 percent from 1964

Milk production in the United States during November is estimated at 9,134 million pounds, 3 percent below the record high for November set in 1964. November output was the smallest for the month since 1960. Average daily production declined slightly from October to November this year, compared to a slight increase in the corresponding months last year. Relative to population, November milk production amounted to 1.56 pounds per person daily, 4 percent below a year earlier for the third successive month.

Sharp decreases in production from a year earlier continued in the North Central Region, where November output was down in all States except Missouri. Decreases from a year earlier were sharper in November than in October for five North Central States -- Indiana, Illinois, Michigan, Wisconsin, and Minnesota. Production continued above a year earlier in most of the South Atlantic and South Central States.

### Production per cow slowed

Milk production per cow slowed during November. The average of 593 pounds per cow for the month was only 2 pounds above a year earlier and was the smallest year-to-year gain since February 1955. Milk flow per cow was at a record November level in 39 States, but was below November a year ago in 8 North Central and 2 Western States. On a daily basis, the November average of 19.8 pounds per cow equaled the October rate and compared with 19.7 pounds a year earlier. Arizona led all States in November output per cow with 870 pounds, followed by California with 860, Hawaii with 815, Massachusetts with 805, and Connecticut and Nevada each with 800 pounds.

### Grain feeding rate up 3 percent

Reported feeding of grain and concentrates to milk cows on December 1 averaged 9.2 pounds per cow. This is 3 percent more than the 8.9 pounds fed a year earlier and 23 percent more than the 1959-63 average for the date. Increases for earlier dates in 1965 ranged from 5 to 8 percent over a year earlier. The December 1 increase from a year earlier was the smallest for the date since 1960. Feeding rates of 10 or more pounds per cow were reported in 16 States, compared with 13 States on December 1 a year ago.

### Milk-feed price ratio up 3 percent

The November milk-feed price ratio at 1.55 was 3 percent higher than the ratio of 1.51 a year earlier and equaled the 1959-63 average for the month. The ratio was up 2 percent from October to November which was slightly higher than the average seasonal gain. The more favorable November ratio resulted from higher milk prices to producers and lower values of concentrate rations. In cream-producing areas, the milkfat-feed price ratio for November was 24.6 compared with 23.9 a year earlier and the 5-year average for the month of 25.5.

Table 3.-Grain and other concentrates fed daily per milk cow in herds kept by reporters, December 1, 1965, with comparisons

State	Dec. 1, av. 1959-63	Dec. 1 1964	Dec. 1 1965	State	Dec. 1, av. 1959-63	Dec. 1 1964	Dec. 1 1965
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	8.3	9.0	11.3	West Virginia.....	5.5	6.6	6.7
New Hampshire...	8.0	9.5	11.0	North Carolina....	7.7	9.2	9.5
Vermont.....	7.7	8.8	9.8	South Carolina....	6.9	6.8	7.5
Massachusetts...	8.6	10.5	11.6	Georgia.....	7.2	9.6	10.5
Rhode Island....	9.6	10.8	12.8	Florida.....	6.3	6.5	6.5
Connecticut.....	9.1	10.0	12.6				
New York.....	8.9	10.1	10.3	Kentucky.....	6.7	7.6	7.7
New Jersey.....	9.8	10.7	12.3	Tennessee.....	6.4	7.0	7.5
Pennsylvania....	9.8	11.8	12.2	Alabama.....	6.2	8.0	9.5
				Mississippi.....	4.7	5.0	5.8
Ohio.....	9.1	10.4	10.8	Arkansas.....	5.9	7.7	8.4
Indiana.....	8.3	10.0	9.4	Louisiana.....	5.3	7.2	8.6
Illinois.....	7.7	9.2	9.0	Oklahoma.....	7.4	8.4	10.0
Michigan.....	9.1	10.6	10.5	Texas.....	6.1	6.5	6.5
Wisconsin.....	7.7	8.7	8.6				
				Montana.....	4.9	4.4	5.9
Minnesota.....	7.8	9.6	10.0	Idaho.....	5.5	6.0	6.2
Iowa.....	7.8	8.7	8.3	Wyoming.....	4.9	4.9	5.6
Missouri.....	7.5	8.0	8.1	Colorado.....	6.6	8.0	8.3
North Dakota....	6.8	8.6	8.5	New Mexico.....	6.1	8.0	8.0
South Dakota....	5.3	6.7	6.8	Arizona.....	6.0	8.1	8.0
Nebraska.....	6.7	8.5	8.0	Utah.....	6.2	6.6	7.6
Kansas.....	7.7	8.2	9.1	Nevada.....	5.4	8.0	8.0
				Washington.....	7.2	8.1	8.1
Delaware.....	9.0	10.5	10.5	Oregon.....	5.2	6.6	6.9
Maryland.....	9.3	11.0	11.6	California.....	8.0	10.0	11.5
Virginia.....	8.0	10.0	9.6	United States.....	7.5	8.9	9.2

Table 4.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, November 1965, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Nov. av. 1959-63	Nov. 1964	Oct. 1965	Nov. 1965	Nov. av. 1959-63	Nov. 1964	Oct. 1965	Nov. 1965
N. Atl. ....	Dol. 5.25	Dol. 5.14	Dol. 5.20	Dol. 5.20	Dol. 3.53	Dol. 3.59	Dol. 3.56	Dol. 3.54
E. N. Cent. ..	4.04	4.08	4.10	4.20	2.68	2.77	2.78	2.72
W. N. Cent. ..	3.68	3.72	3.81	3.82	2.28	2.44	2.50	2.45
S. Atl. ....	5.69	5.74	5.69	5.69	3.29	3.36	3.30	3.32
S. Cent. ....	5.09	5.19	5.06	5.19	3.03	3.04	3.08	3.08
West. ....	4.61	4.64	4.56	4.64	3.17	3.15	3.18	3.16
U. S. ....								
Milk areas....	4.54	4.53	4.55	4.59	2.93	3.00	3.00	2.97
Cream areas...	-	-	-	-	2.44	2.51	2.57	2.52
Milk and cream areas.....	-	-	-	-	2.89	2.98	2.99	2.95

Table 5.-Milk-feed and milkfat-feed price ratios, by regions, November 1965, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Nov. av. 1959-63	Nov. 1964	Oct. 1965	Nov. 1965	Nov. av. 1959-63	Nov. 1964	Oct. 1965	Nov. 1965
N. Atl. ....	1.49	1.43	1.46	1.47	-	-	-	-
E. N. Cent. ..	1.51	1.47	1.47	1.54	21.2	20.4	20.9	21.4
W. N. Cent. ..	1.62	1.52	1.52	1.56	27.5	25.0	24.9	25.7
S. Atl. ....	1.73	1.71	1.72	1.71	-	-	-	-
S. Cent. ....	1.68	1.71	1.64	1.69	17.3	17.6	17.1	17.1
West. ....	1.45	1.47	1.43	1.47	18.8	18.4	18.6	18.7
U. S. ....	1.55	1.51	1.52	1.55	25.5	23.9	23.8	24.6

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.

Table 6.-Hay, silage, and green feed fed per milk cow in herds kept by dairy reporters, summer feeding season, 1964 and 1965 <sup>1/</sup>

State and division	Hay		Silage		Green feed <sup>2/</sup>		Hay equiv. of all roughage fed <sup>3/</sup>	
	1964	1965	1964	1965	1964	1965	1964	1965
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Me., N. H., Vt. ....	.3	.3	.2	.2	.6	.6	.6	.6
Mass., R. I., Conn. ....	.5	.3	.4	.8	.7	.7	.9	.8
N. Y. ....	.4	.4	.5	.6	.3	.4	.7	.7
N. J. ....	.4	.5	1.0	.9	1.6	1.7	1.3	1.4
Pa. ....	.6	.6	.8	.8	.8	.9	1.1	1.2
N. Atl. ....	.46	.45	.58	.64	.58	.66	.85	.88
Ohio.....	.4	.4	.8	1.0	.4	.5	.8	.9
Ind. ....	.4	.4	.8	.7	.2	.4	.7	.8
Ill. ....	.6	.3	.8	.9	.8	.8	1.1	.9
Mich. ....	.4	.4	.6	.7	1.3	1.4	1.0	1.1
Wis. ....	.4	.3	1.0	1.0	.6	.9	.9	.9
E. N. Cent. ....	.42	.34	.88	.92	.67	.88	.94	.94
Minn. ....	.5	.4	.7	.4	.5	.4	.9	.7
Iowa.....	.4	.6	.4	.6	.6	.7	.7	1.0
Mo. ....	.3	.3	.4	@	.6	@	.6	.4
N. Dak. ....	.4	.2	@	@	@	@	.6	.5
S. Dak. ....	.3	.2	.8	1.0	@	@	.6	.6
Nebr. ....	.6	.6	.2	.2	.4	.6	.8	.9
Kans. ....	.3	.2	@	@	.5	.8	.5	.5
W. N. Cent. ....	.44	.42	.54	.40	.51	.48	.79	.71
Del., Md. ....	.3	.2	1.0	1.1	1.0	1.0	1.0	.9
Va. ....	.4	.2	1.1	1.1	.3	.3	.9	.7
W. Va. ....	.2	.2	.5	.4	@	@	.4	.4
N. C. ....	.3	.3	1.1	1.4	@	.3	.7	.9
S. C. ....	.3	.3	.4	.4	.2	.4	.5	.6
Ge. ....	.4	.4	.4	.4	.4	.3	.7	.6
Fla. ....	@	@	@	@	@	@	@	@
S. Atl. ....	.31	.24	.80	.86	.61	.59	.78	.72
Ky. ....	.5	.2	.7	.4	.2	.4	.8	.5
Tenn. ....	.3	.2	.3	.3	.1	.1	.4	.3
Ala. ....	.5	.3	.4	.6	@	@	.7	.5
Miss. ....	.5	.2	@	@	@	@	.5	.2
Ark. ....	.5	.3	@	@	@	@	.7	.4
La. ....	.3	.2	@	@	@	@	.4	.5
Okla. ....	.5	.8	.5	.4	.3	@	.8	1.0
Tex. ....	.6	.8	.1	.2	.4	.8	.8	1.1
S. Cent. ....	.48	.48	.30	.28	.23	.41	.66	.71
Mont. ....	.8	.9	@	@	@	@	1.0	1.2
Idaho.....	.9	1.0	@	@	@	@	.9	1.1
Wyo. ....	1.0	1.1	@	@	@	@	1.0	1.3
Colo. ....	1.4	1.6	1.0	.9	@	@	1.8	2.1
N. Mex. ....	1.5	1.5	@	@	@	1.3	1.9	2.0
Ariz. ....	1.6	1.4	.4	.3	@	@	1.9	2.2
Utah.....	1.4	1.0	.2	.1	.3	.7	1.6	1.3
Nev. ....	@	@	@	@	@	@	@	@
Wash. ....	.4	.7	@	@	.8	.8	.7	1.1
Oreg. ....	.3	.3	@	@	.6	.6	.5	.6
Calif. ....	1.4	1.6	@	.1	1.3	1.1	1.9	2.0
West. ....	1.20	1.34	.21	.22	.91	.98	1.57	1.74
U. S. ....	.53	.51	.61	.62	.60	.71	.93	.95

<sup>1/</sup> 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.

<sup>2/</sup> Legumes, grasses, small grains, corn, sorghum, etc. cut and fed green.

<sup>3/</sup> 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, 1964 and 1965 <sup>1/</sup>

State and division	Alfalfa or mixed alfalfa		Clover or mixed clover		Lespedeza		Coastal bermuda		Other	
	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt. ....	35	37	52	41	-	-	-	-	13	22
Mass., R. I., Conn. ..	35	40	55	43	-	-	-	-	10	17
N. Y. ....	65	65	25	24	-	-	-	-	10	11
N. J. ....	74	73	17	8	-	-	-	-	9	19
Pa. ....	62	64	24	23	-	-	-	-	14	13
N. Atl. ....	60	62	28	25	-	-	-	-	12	13
Ohio.....	84	86	14	13	-	-	-	-	2	1
Ind. ....	79	83	14	5	-	-	-	-	7	12
Ill. ....	91	87	9	12	-	-	-	-	-	1
Mich. ....	88	95	11	3	-	-	-	-	1	2
Wis. ....	91	90	8	6	-	-	-	-	1	4
E. N. Cent. ....	89	90	10	7	-	-	-	-	1	3
Minn. ....	92	83	4	10	-	-	-	-	4	7
Iowa.....	91	92	8	4	-	-	-	-	1	4
Mo. ....	79	84	1	2	12	8	-	-	8	6
N. Dak. ....	84	90	-	-	-	-	-	-	16	10
S. Dak. ....	88	97	-	-	-	-	-	-	12	3
Nebr. ....	80	97	-	1	-	-	-	-	20	2
Kans. ....	95	93	-	1	-	-	-	-	5	6
W. N. Cent. ....	90	87	4	7	-	-	-	-	6	6
Del., Md. ....	57	64	34	23	5	3	-	-	4	10
Va. ....	39	55	53	19	1	2	-	-	7	24
W. Va. ....	53	45	39	54	-	-	-	-	8	1
N. C. ....	19	27	31	37	11	14	4	1	35	21
S. C. ....	8	8	-	-	12	13	58	46	22	33
Ga. ....	8	10	-	5	3	4	71	65	18	16
Fla. ....	@	@	@	@	@	@	@	@	@	@
S. Atl. ....	35	35	32	21	3	5	15	18	15	21
Ky. ....	48	68	30	16	14	13	-	-	8	3
Tenn. ....	47	66	11	4	25	25	2	1	15	4
Ala. ....	2	4	3	3	5	4	45	40	45	49
Miss. ....	1	11	21	19	42	47	3	5	33	18
Ark. ....	20	29	15	16	25	24	-	-	40	31
La. ....	20	26	11	8	7	5	17	12	45	49
Okla. ....	76	86	-	-	4	3	-	3	20	8
Tex. ....	58	68	2	1	-	-	3	10	37	21
S. Cent. ....	43	62	11	3	9	5	7	10	30	20
Mont. ....	94	98	4	-	-	-	-	-	2	2
Idaho.....	99	100	1	-	-	-	-	-	-	-
Wyo. ....	100	99	-	-	-	-	-	-	-	1
Colo. ....	98	99	-	-	-	-	-	-	2	1
N. Mex. ....	100	99	-	-	-	-	-	-	-	1
Ariz. ....	100	100	-	-	-	-	-	-	-	-
Utah.....	98	99	2	-	-	-	-	-	-	1
Nev. ....	@	@	-	-	-	-	-	-	-	-
Wash. ....	74	87	14	11	-	-	-	-	12	2
Oreg. ....	64	78	28	13	-	-	-	-	8	9
Calif. ....	27	98	1	-	-	-	-	-	2	2
West. ....	97	97	1	1	-	-	-	-	2	2
U. S. ....	79	82	12	9	1	1	1	1	7	7

<sup>1/</sup> 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, 1964 and 1965 <sup>1/</sup>

State and division	Corn silage		Grass silage		Sorghum silage		Other silage	
	1964	1965	1964	1965	1964	1965	1964	1965
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me., N. H., Vt. ....	64	45	23	34	-	-	13	21
Mass., R. I., Conn. ..	55	68	33	19	-	-	12	13
N. Y. ....	78	67	14	31	-	-	8	2
N. J. ....	65	60	22	25	2	6	11	9
Pa. ....	59	57	29	30	-	-	12	13
N. Atl. ....	67	62	23	30	-	-	10	8
Ohio.....	29	28	67	67	-	-	4	5
Ind. ....	46	33	47	55	4	2	3	10
Ill. ....	47	33	49	54	2	9	2	4
Mich. ....	57	60	35	30	-	-	8	10
Wis. ....	61	57	31	32	-	-	8	11
E. N. Cent. ....	54	50	39	40	1	1	6	9
Minn. ....	67	72	16	20	-	-	17	8
Iowa. ....	50	51	5	23	10	1	35	25
S. Dak. ....	63	70	28	22	1	-	8	8
Nebr. ....	47	46	16	20	8	-	29	34
W. N. Cent. ....	61	65	16	21	4	1	19	13
Del., Md. ....	49	35	28	28	14	9	9	28
Va. ....	50	62	14	12	2	7	34	19
N. C. ....	79	74	3	2	4	5	14	19
Ga. ....	92	90	-	-	8	6	-	4
S. Atl. ....	59	53	17	15	7	9	17	23
Tenn. ....	74	70	24	29	-	1	2	-
Okla. ....	23	28	-	21	77	41	-	10
S. Cent. ....	50	55	23	13	23	20	4	12
Colo. ....	96	94	2	-	2	6	-	-
Ariz. ....	47	41	-	-	53	59	-	-
West. ....	55	62	14	8	16	4	15	26
U. S. ....	59	55	28	31	3	2	10	12

<sup>1/</sup> 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, 1965 SUMMER FEEDING SEASON

Feeding of supplemental roughage increased slightly in summer of 1965

During the summer feeding season, feeding of supplemental roughage to milk cows increased slightly on a hay equivalent basis. The 0.95 ton of hay equivalent consumed per cow during June-September was up 2 percent from the 0.93 ton fed during the same period in 1964. By regions, the average rate per cow, hay equivalent, was above a year earlier in the North Atlantic, South Central, and West. The feeding rate in the East North Central Region was unchanged from last year while rates were lower in the West North Central and South Atlantic.

Feeding of green feed -- legumes, grasses, small grains, corn sorghum, etc. cut and fed green -- was up sharply in 1965. The average rate of 0.71 ton per cow compares with 0.60 ton a year earlier. All regions except the West North Central and South Atlantic used more green feed. Silage fed to milk cows during the 1965 summer feeding season was up only slightly from a year earlier. The 1965 average of 0.62 ton per cow compares with 0.61 ton in June-September 1964. However, the West North Central and South Central Regions were the only areas with averages below a year earlier. Summer hay feeding rates nationally were below a year earlier; the 0.51 ton average per cow in 1965 compares with 0.53 ton during the 1964 summer feeding season. The West, with a summer feeding rate of 1.34 tons of hay per cow, was the only region showing an increase from the year before.

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Alfalfa predominates as kind of hay fed

During the 1965 summer feeding season, alfalfa and mixed alfalfa hay continued as the most common kind of hay fed to milk cows, accounting for 82 percent of all hay fed, compared with 79 percent a year earlier. Regionally, alfalfa and mixtures were more important this year than last in the North Atlantic, East North Central and South Central; the percentage dropped slightly in the West North Central. Clover or mixed clover hay represented 9 percent of the hay fed to milk cows during June-September, compared with 12 percent for the same period last year. As a percent of the total, clover and mixtures declined in every region where it is an important feed. Lespedeza and Coastal Bermuda hay each represented only 1 percent of the overall total, but these hays provided a significant portion of the roughage in South Atlantic and South Central States. Hay reported as "other" accounted for 7 percent of the national total in 1965, the same percentage as a year earlier.

Corn silage most common for summer feeding

Reports on silage fed during the 1965 summer feeding season indicated that corn silage was most common; 55 percent of all silage fed in 1965 compared with 59 percent in 1964. Feeding of grass silage increased during 1965, accounting for 31 percent of the total, compared with 28 percent in 1964. The relative importance of grass silage increased sharply in the North Atlantic and West North Central Regions. Sorghum silage represented only 2 percent of all silage fed, compared with 3 percent for 1964. Silage reported as "other" represented 12 percent of the total in 1965 compared with 10 percent for the 1964 summer feeding season.