

# 40 MILK PRODUCTION

December 12, 1962

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

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## SUMMARY

DEC 10 1962

November milk production in the United States is estimated at 9,314 million pounds, 1 percent above the previous record high for November in 1961 and 10 percent above the 1951-60 average for the month. Production declined 5 percent from October to November, the same seasonal change as in 1961. For the first 11 months of the year, milk production totaled 1 percent more than in that period last year.

Production per cow in herds kept by crop reporters averaged 21.02 pounds on December 1, compared with 20.93 pounds on November 1, and 20.49 pounds on December 1, 1961. Reporters fed an average of 7.84 pounds of grain and concentrates per milk cow on December 1, compared with 7.52 pounds a year earlier -- an increase of 4 percent.

Table 1.-Monthly milk production on farms, United States, 1951-60 average, 1961 and 1962 <sup>1/</sup>

Month	Monthly total				Daily average per capita		
	Average 1951-60	1961	1962	<u>1962</u> <u>1961</u>	Average 1951-60	1961	1962
	<u>Mil.</u> <u>pounds</u>	<u>Mil.</u> <u>pounds</u>	<u>Mil.</u> <u>pounds</u>	<u>Percent</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>
Jan. ....	9,213	9,862	10,118	102.6	1.79	1.75	1.77
Feb. ....	8,950	9,438	9,629	102.0	1.91	1.85	1.86
Mar. ....	10,364	10,931	11,101	101.6	2.01	1.94	1.94
Apr. ....	10,890	11,200	11,340	101.2	2.18	2.05	2.04
May.....	12,459	12,375	12,533	101.3	2.42	2.19	2.18
June.....	12,126	12,039	12,003	99.7	2.43	2.20	2.15
July.....	11,182	11,057	10,977	99.3	2.16	1.95	1.90
Aug. ....	10,285	10,270	10,244	99.7	1.99	1.81	1.77
Sept. ...	9,276	9,621	9,683	100.6	1.85	1.75	1.73
Oct. ....	9,040	9,672	9,771	101.0	1.74	1.70	1.69
Nov. ....	8,468	9,219	9,314	101.0	1.68	1.67	1.66
Dec. ....	8,958	9,772			1.72	1.71	
Year...	121,211	125,456			1.99	1.88	

<sup>1/</sup> Does not include Alaska and Hawaii.

Table 2.-Monthly milk production on farms, selected States, November 1962, with comparisons  
[In millions of pounds]

State	Nov. av. 1951-60	Nov. 1961	Oct. 1962	Nov. 1962	State	Nov. av. 1951-60	Nov. 1961	Oct. 1962	Nov. 1962
N. Y. ....	682	785	860	799	Ga. ....	87	77	84	76
N. J. ....	88	88	93	92	Ky. ....	170	184	220	191
Pa. ....	459	519	568	545	Tenn. ....	162	166	193	168
Ohio.....	400	419	448	422	Ala. ....	85	71	80	71
Ind. ....	248	243	271	248	Miss. ....	96	93	100	91
Ill. ....	336	318	334	319	Ark. ....	82	73	77	71
Mich. ....	385	421	462	441	Okla. ....	117	118	121	113
Wis. ....	1,101	1,280	1,346	1,299	Tex. ....	232	1/235	246	235
Minn. ....	589	713	613	704	Mont. ....	35	34	34	33
Iowa.....	401	416	442	412	Idaho.....	103	114	126	121
Mo. ....	262	256	289	258	Wyo. ....	14.3	12.8	14.2	12.5
N. Dak. ....	98	102	114	98	Colo. ....	65	63	62	59
S. Dak. ....	85	94	92	89	Utah.....	52	58	62	59
Nebr. ....	138	131	134	120	Wash. ....	130	152	164	160
Kans. ....	165	155	152	146	Oreg. ....	78	73	78	69
Md. ....	113	118	129	119	Calif. ....	550	647	692	665
Va. ....	152	156	180	164	Other				
W. Va. ....	57	48	49	46	States 2/	481	1/612	664	624
N. C. ....	126	130	136	131	U. S. ....	8,468	9,219	9,771	9,314
S. C. ....	44	44	42	43					

1/ Revised.

2/ Monthly data for individual States not available. Does not include Alaska and Hawaii.

Table 3.-Dairy product-feed price ratios, by regions, November 15, 1962, with comparisons

Region	Milk-feed 1/				Milkfat-feed 2/			
	Nov. 15, av. 1951-60	Nov. 15, 1961	Oct. 15, 1962	Nov. 15, 1962	Nov. 15, av. 1951-60	Nov. 15, 1961	Oct. 15, 1962	Nov. 15, 1962
N. Atl. ....	1.49	1.48	1.41	1.41	-	-	-	-
E. N. C. ....	1.48	1.54	1.42	1.45	21.2	21.7	19.9	20.1
W. N. C. ....	1.57	1.65	1.53	1.52	26.4	27.2	25.4	25.5
S. Atl. ....	1.66	1.78	1.68	1.71	-	-	-	-
S. Cent. ....	1.69	1.67	1.56	1.60	16.6	17.3	16.6	16.5
West. ....	1.44	1.50	1.39	1.42	19.0	19.3	18.2	18.2
U. S. ....	1.52	1.57	1.47	1.49	23.9	25.5	24.0	24.1

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

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

Table 4.-Value per 100 pounds of concentrate rations fed to milk cows, by regions, November 15, 1962, with comparisons

[In dollars]

Region	Nov. 15, av. 1951-60	Nov. 15, 1961	Sept. 15, 1962	Oct. 15, 1962	Nov. 15, 1962
N. Atl. ....	3.67	3.51	3.53	3.54	3.58
E. N. Cent. ....	2.82	2.65	2.73	2.72	2.71
W. N. Cent. ....	2.51	2.29	2.32	2.34	2.35
S. Atl. ....	3.56	3.18	3.29	3.29	3.30
S. Cent. ....	3.25	3.02	3.06	3.03	3.06
West. ....	3.35	3.12	3.16	3.16	3.17
U. S.					
Milk-selling areas...	3.13	2.90	2.95	2.95	2.96
Cream-selling areas..	2.69	2.39	2.42	2.43	2.44
Combined milk and cream areas.....	3.08	2.87	2.92	2.92	2.93

### Milk production continues 1 percent above last year

November milk production in the United States is estimated at 9,314 million pounds, 1 percent above the previous record for November set in 1961 and 10 percent above the 1951-60 average for the month. Production declined 5 percent from October to November, the same seasonal change as in 1961. For the United States, milk production usually drops to a seasonal low in November. For the first 11 months of the year, milk production totaled 1 percent more than in the corresponding months last year. November production provided 1.66 pounds of milk per person daily, compared with 1.67 pounds a year earlier.

Milk production was at record highs for November in 12 States -- New York, New Jersey, Pennsylvania, Ohio, Michigan, Wisconsin, North Carolina, Kentucky, Idaho, Utah, Washington, and California. The increased number of record highs for November is partly a reflection of the trend toward leveling out the fall decline in production. By contrast, production was at a record low level for November in 7 States -- Nebraska, Kansas, West Virginia, Georgia, Alabama, Wyoming, and Oregon.

### December 1 milk per cow up one-half pound from 1961

Production per cow in herds kept by crop reporters averaged 21.02 pounds on December 1. This compares with 20.93 pounds per cow on November 1 and 20.49 pounds on December 1 a year ago. The November to December increase was the smallest since 1955, with a smaller than average seasonal gain in the West North Central Region. Except for the West North Central, the rate per cow was up from December 1, 1961 in all regions. The percentage of cows milked on December 1 averaged 72.4 -- up slightly from the 71.8 percent reported on November 1, but about the same as a year ago.

### Grain and concentrate feeding up 4 percent from year earlier

On December 1, crop reporters fed an average of 7.84 pounds of grain and concentrates per milk cow, compared with 7.52 pounds a year earlier -- an increase of 4 percent. All regions had increases in the amount fed compared with December 1, 1961, the gains ranging from 1 percent in the South Atlantic to 6 percent in both the East North Central and North Atlantic. Compared with the December 1, 1951-60 average, the U. S. rate was up 27 percent. The seasonal increase from October 1 to December 1 was 16 percent compared with the average increase of 25 percent between these dates. The smaller seasonal increase may reflect somewhat the above normal temperatures which covered much of the nation during October and November.

### Milk-feed price ratio down 5 percent from 1961

The milk-feed price ratio, at 1.49 on November 15, was up seasonally from mid-October by 1 percent but down from a year earlier by 5 percent. The slight improvement in the ratio in November resulted from a seasonal increase in milk prices from \$4.34 per hundredweight to \$4.40 with little change in ration values, which averaged \$2.96 per hundredweight at mid-November. Compared with November a year ago, the lower milk-feed price ratio resulted from a 15-cent decrease in milk prices and a 6-cent increase in the value of rations fed. In cream-selling areas, the milkfat-feed price ratio for November was 24.1 -- up from 24.0 for October, but down from 25.5 for mid-November 1961.

Table 5.-Milk produced per milk cow, percent of milk cows milked, and "grain" fed per milk cow in herds kept by reporters, December 1, 1962, with comparisons 1/

State and division	Milk produced per milk cow 2/			Percent of milk cows milked			"Grain" fed per milk cow 3/		
	Dec. 1, av. 1951-60	Dec. 1, 1961	Dec. 1, 1962	Dec. 1, av. 1951-60	Dec. 1, 1961	Dec. 1, 1962	Dec. 1, av. 1951-60	Dec. 1, 1961	Dec. 1, 1962
	Pounds	Pounds	Pounds	Percent	Percent	Percent	Pounds	Pounds	Pounds
Me. ....	18.1	21.7	22.8	79.4	80.7	82.6	6.8	9.1	8.9
N. H. ....	19.8	23.6	22.6	79.3	81.0	81.1	6.3	8.4	8.9
Vt. ....	18.6	21.2	22.4	77.2	78.8	79.5	6.2	7.5	8.1
Mass. ....	20.8	23.3	25.3	79.6	80.2	79.6	6.8	8.3	9.5
Conn. ....	21.5	23.7	24.2	78.9	80.2	78.1	7.2	9.4	9.4
N. Y. ....	21.1	23.5	24.7	75.4	76.7	76.9	7.3	8.3	8.6
N. J. ....	22.2	24.2	26.6	77.4	78.2	79.8	8.2	9.7	10.6
Pa. ....	20.8	23.9	25.8	77.4	78.1	79.4	8.3	9.8	10.6
N. Atl. ....	20.60	23.19	24.49	76.7	77.5	78.2	7.4	8.6	9.1
Ohio.....	20.2	23.8	25.5	75.6	78.4	79.1	7.3	9.0	9.8
Ind. ....	18.0	22.3	22.4	72.4	77.5	76.0	6.9	8.4	8.9
Ill. ....	18.4	22.5	22.9	69.5	75.0	74.5	6.8	7.6	8.2
Mich. ....	21.8	25.0	26.4	79.2	81.4	81.5	7.3	9.2	9.8
Wis. ....	19.4	23.2	23.4	73.2	77.1	76.7	6.5	7.8	8.1
E. N. Cent. ....	19.73	23.56	24.15	73.8	78.0	77.7	6.8	8.2	8.7
Minn. ....	19.2	22.8	22.0	68.1	70.8	70.0	6.2	7.8	7.9
Iowa.....	17.5	20.2	20.8	67.2	70.0	69.9	6.8	8.0	8.2
Mo. ....	13.3	15.1	14.7	65.5	65.2	64.3	6.0	6.9	7.3
N. Dak. ....	14.3	18.0	16.6	56.4	62.0	59.2	5.3	6.7	7.0
S. Dak. ....	13.4	17.2	16.4	58.3	63.8	60.6	4.3	4.9	5.4
Nebr. ....	16.3	18.9	18.4	64.5	67.0	64.7	5.4	6.9	6.9
Kans. ....	16.8	19.3	18.5	66.3	69.2	68.3	6.4	7.8	7.5
W. N. Cent. ....	16.45	19.55	18.92	64.8	67.8	66.6	6.0	7.4	7.6
Md. ....	18.9	21.0	20.8	74.5	77.3	74.6	7.8	8.9	9.4
Va. ....	17.0	20.8	22.6	71.9	75.2	76.7	6.2	7.9	8.2
W. Va. ....	13.1	15.5	15.3	70.7	69.7	69.7	4.3	5.0	5.6
N. C. ....	15.5	19.0	19.1	72.8	76.8	75.6	6.1	8.4	7.8
S. C. ....	12.2	13.2	14.1	66.6	68.1	66.3	5.5	6.2	6.8
Ga. ....	11.1	12.4	11.8	59.8	60.5	57.1	5.3	5.8	7.8
S. Atl. ....	15.28	20.01	20.95	70.9	75.6	76.9	5.8	7.6	7.7
Ky. ....	13.0	16.1	16.0	65.5	68.8	65.5	5.7	6.7	7.2
Tenn. ....	11.7	13.5	13.5	66.5	66.7	65.2	5.5	6.6	6.5
Ala. ....	8.6	8.5	8.3	53.6	47.7	50.0	5.2	6.3	7.0
Miss. ....	7.6	8.0	6.7	55.4	55.0	53.0	4.3	5.0	5.0
Ark. ....	9.3	11.5	11.4	55.4	57.2	58.5	4.8	5.4	5.6
La. ....	7.6	11.1	11.3	47.8	53.0	54.3	4.3	5.6	5.3
Okla. ....	12.2	15.0	13.8	58.4	61.0	61.5	5.5	7.5	8.0
Tex. ....	9.7	10.8	11.5	52.1	52.0	52.0	5.6	5.1	5.5
S. Cent. ....	10.85	12.79	13.30	59.3	60.0	60.4	5.2	6.0	6.2
Mont. ....	15.4	18.0	17.2	64.1	66.4	63.8	4.4	5.7	5.1
Idaho.....	19.6	21.9	23.3	75.7	78.0	76.3	4.4	5.5	5.8
Wyo. ....	17.4	19.5	18.8	66.8	69.5	67.6	3.9	5.8	5.2
Colo. ....	18.0	20.0	19.5	70.8	71.0	71.0	5.7	6.5	7.0
Utah.....	21.0	24.1	25.5	77.5	78.0	80.6	5.1	6.4	6.9
Wash. ....	20.3	23.6	26.4	78.3	81.1	81.0	5.9	7.5	7.5
Oreg. ....	16.2	17.4	17.7	74.8	77.0	76.2	5.1	5.4	5.4
Calif. ....	22.3	27.5	27.0	78.6	80.2	80.5	5.9	7.5	8.0
West. ....	19.89	23.32	24.54	75.6	78.3	78.2	5.5	6.7	7.0
U. S. ....	17.05	20.49	21.02	69.4	72.5	72.4	6.19	7.52	7.84

1/ Figures for New England States, New Jersey, and Pennsylvania represent combined crop and special dairy reporters; others represent crop reporters only. Regional averages include less important dairy States not shown separately.

2/ Averages represent daily milk production divided by the total number of milk cows (in milk or dry).

3/ Includes grain, millfeeds, and other concentrates.

Table 6.-Hay, silage, and green feed fed per milk cow in herds kept by dairy reporters, summer feeding season, 1961 and 1962 <sup>1/</sup>

[Tons]

State and division	Hay		Silage		Green feed <sup>2/</sup>	Hay equiv. of roughage excl. green feed <sup>3/</sup>		Hay equiv. of roughage incl. green feed <sup>4/</sup>
	1961	1962	1961	1962	1962	1961	1962	1962
	Me., N. H., Vt. ....	.2	.2	.1	.2	.5	.2	.3
Mass., R. I., Conn. ....	.3	.3	.3	.5	.5	.4	.5	.6
N. Y. ....	.2	.3	.4	.5	.2	.3	.5	.6
N. J. ....	.2	.3	1.0	1.0	.8	.6	.6	.9
Pa. ....	.4	.4	.7	.6	.3	.6	.6	.7
N. Atl. ....	.3	.3	.6	.6	.4	.5	.5	.7
Ohio.....	.2	.2	.4	.6	.4	.4	.4	.6
Ind. ....	.3	.4	.5	.6	.5	.4	.6	.7
Ill. ....	.4	.4	.7	.9	1.0	.6	.7	1.0
Mich. ....	.4	.4	1.0	.7	1.0	.7	.6	.9
Wis. ....	.3	.2	.6	.8	.7	.5	.5	.7
E. N. Cent. ....	.3	.3	.6	.8	.7	.5	.5	.8
Minn. ....	.5	.3	.3	.3	.2	.6	.4	.5
Iowa.....	.3	.5	.2	.5	.7	.4	.6	.9
Mo. ....	.2	.2	.5	.3	.2	.4	.3	.4
N. Dak. ....	1.1	.8	.7	.2	.1	1.3	.8	.9
S. Dak. ....	.8	.4	.6	.6	.2	1.0	.6	.7
Nebr. ....	.3	.2	.2	.1	b/	.3	.2	.2
Kans. ....	.2	.5	.4	b/	.1	.4	.5	.6
W. N. Cent. ....	.4	.3	.3	.3	.2	.5	.4	.5
Del., Md.....	.2	.3	.6	.9	.4	.4	.6	.7
Va. ....	.3	.2	.5	.5	.3	.5	.4	.5
W. Va. ....	.5	.2	.3	.3	.2	.6	.3	.4
N. C. ....	.4	.4	.8	1.1	.1	.6	.7	.7
S. C. ....	.2	.1	.3	.2	b/	.3	.2	.2
Ga. ....	.2	.4	.4	.2	.3	.3	.2	.3
Fla. ....	a/	a/	a/	a/	a/	a/	a/	a/
S. Atl. ....	.2	.2	.4	.4	.2	.3	.3	.4
Ky.....	.2	.2	.2	.4	.7	.3	.4	.6
Tenn. ....	.1	.1	.1	b/	.2	.2	.2	.2
Ala. ....	.2	.2	.2	.1	.2	.2	.2	.3
Miss. ....	.2	.3	.1	b/	b/	.2	.3	.3
Ark. ....	.3	.2	-	-	.2	.3	.2	.2
La. ....	.1	b/	-	-	.6	.1	b/	.2
Okla. ....	.4	.6	.3	.4	.1	.5	.7	.8
Tex. ....	.3	.5	.1	.2	.7	.3	.6	.8
S. Cent. ....	.2	.4	.2	.2	.4	.3	.5	.6
Mont. ....	1.0	.9	.3	.1	.7	1.1	1.0	1.2
Idaho.....	.8	1.2	a/	.5	.1	a/	1.3	1.4
Wyo. ....	.8	1.2	.8	.8	-	1.1	1.4	1.4
Colo. ....	1.2	1.3	1.0	.8	.3	1.5	1.6	1.7
N. Mex. ....	1.4	1.3	.4	.7	1.6	1.5	1.6	2.1
Ariz. ....	1.6	1.2	a/	.7	1.9	a/	1.4	2.0
Utah.....	1.0	1.8	.3	.2	.1	1.1	1.8	1.9
Nev. ....	1.5	1.1	a/	a/	a/	a/	a/	a/
Wash. ....	.3	.5	.3	.3	1.3	.4	.6	1.0
Oreg. ....	.5	.4	.4	.2	.6	.6	.4	.6
Calif. ....	1.6	1.1	.3	b/	.6	1.7	1.1	1.3
West. ....	1.2	1.0	.4	.2	.8	1.3	1.1	1.3
U. S. ....	.5	.5	.5	.4	.5	.7	.7	.8

<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 as equivalent to 1 ton of hay.

<sup>4/</sup> Includes green feed at same hay equivalent as silage. (Data on green feed not available for 1961).

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

b/ Less than .05 ton.

Table 7.-Hay: Percentage, by kind, and percentage of purchased hay, fed to milk cows in herds kept by dairy reporters, summer feeding season, 1961 and 1962 <sup>1/</sup>

[Percent]

State and division	Hay, by kind, as percentage of all hay fed						Purchased hay as percentage of all hay fed	
	Alfalfa and mixed alfalfa		Clover, mixed clover, and lespedeza		Other		1961	1962
	1961	1962	1961	1962	1961	1962		
Me., N. H., Vt. ....	30	30	61	57	9	13	1	1
Mass., R. I., Conn. ....	28	45	63	43	9	12	16	12
N. Y. ....	66	60	25	33	9	7	2	4
N. J. ....	66	80	25	14	9	6	7	6
Pa. ....	53	56	27	21	20	23	4	12
N. Atl. ....	53	56	28	24	19	20	4	10
Ohio.....	73	68	24	27	3	5	6	3
Ind. ....	83	81	16	13	1	6	8	6
Ill. ....	89	91	10	8	1	1	7	3
Mich. ....	86	90	7	7	7	3	10	7
Wis. ....	88	90	10	10	2	-	6	2
E. N. Cent. ....	86	86	12	12	2	2	8	4
Minn. ....	89	86	4	9	7	5	7	1
Iowa.....	92	89	6	10	2	1	2	2
Mo. ....	86	83	11	4	3	13	14	11
N. Dak. ....	54	93	5	-	41	7	12	10
S. Dak. ....	67	80	1	-	32	20	12	9
Nebr. ....	94	96	2	1	4	3	8	15
Kans. ....	75	97	4	2	21	1	5	11
W. N. Cent. ....	85	88	4	7	11	5	8	6
Del., Md. ....	72	75	23	22	5	3	3	13
Va. ....	57	85	39	11	4	4	3	3
W. Va. ....	64	59	29	12	7	29	a/	a/
N. C. ....	30	46	61	33	9	21	15	12
S. C. ....	16	20	43	27	41	53	4	10
Ga. ....	24	28	13	10	63	62	15	3
Fla. ....	a/	a/	a/	a/	a/	a/	a/	a/
S. Atl. ....	41	53	31	19	28	28	11	9
Ky. ....	67	75	18	24	15	1	9	24
Tenn. ....	23	20	51	59	26	21	11	21
Ala. ....	23	22	7	12	70	66	16	7
Miss. ....	4	6	82	62	14	32	2	2
Ark. ....	25	22	52	51	23	27	22	32
La. ....	9	7	57	50	34	43	57	39
Okla. ....	76	75	2	4	22	21	24	26
Tex. ....	57	49	2	1	41	50	60	52
S. Cent. ....	56	51	10	8	34	41	34	41
Mont. ....	99	95	-	-	1	5	41	37
Idaho.....	98	98	2	1	-	1	20	16
Wyo. ....	99	100	1	-	-	-	13	39
Colo. ....	99	100	-	-	1	-	42	55
N. Mex. ....	100	100	-	-	-	-	47	75
Ariz. ....	99	100	-	-	1	-	45	64
Utah.....	97	99	2	-	1	1	21	21
Nev. ....	100	100	-	-	-	-	a/	a/
Wash. ....	80	85	12	7	8	8	38	57
Oreg. ....	62	57	11	17	27	26	33	30
Calif. ....	97	98	1	-	2	2	60	63
West. ....	96	97	1	1	3	2	50	53
U. S. ....	82	83	9	8	9	9	32	35

<sup>1/</sup> For June-September summer feeding season, as reported on November 1.

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

Table 8.-Silage: Percentage, by kind, fed to milk cows in herds kept by dairy reporters, summer feeding season, 1961 and 1962 <sup>1/</sup>

[Percent]

State and division	Corn silage		Grass silage		Other silage	
	1961	1962	1961	1962	1961	1962
Me., N. H., Vt. ....	80	29	16	68	4	3
Mass., R. I., Conn. ....	61	34	37	57	2	9
N. Y. ....	56	60	43	36	1	4
N. J. ....	42	44	40	46	18	10
Pa. ....	16	35	68	56	16	9
N. Atl. ....	22	40	64	52	14	8
Ohio.....	20	26	70	71	10	3
Ind. ....	29	44	64	56	7	-
Ill. ....	61	68	33	29	6	3
Mich. ....	38	65	60	35	2	-
Wis. ....	76	61	20	30	4	9
E. N. Cent. ....	58	56	37	39	5	5
Minn. ....	62	73	31	18	7	9
S. Dak. ....	64	48	25	49	11	3
Nebr. ....	11	40	57	20	32	40
W. N. Cent. ....	45	66	29	27	26	7
Del., Md. ....	33	42	60	41	7	17
Va. ....	48	88	42	6	10	6
N. C. ....	55	82	26	6	19	12
S. Atl. ....	60	62	31	21	9	17
S. Cent. ....	45	17	26	45	29	38
West. ....	33	48	28	19	39	33
U. S. ....	35	47	46	40	19	13

<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, 1961 AND 1962 SUMMER FEEDING SEASONS

In this report, data are published for the first time on roughage fed to milk cows on farms of dairy reporters during the summer feeding season. The feeding rates shown in Table 6 are based on reported tonnage fed during the June-September summer feeding season, divided by the number of milk cows on farms where some kind of roughage was fed. These summer feeding rates are on a different basis from the winter feeding rates, which are based on all milk cows. Roughage feeding rates for the 1961-62 winter feeding season were published in the June 12, 1962 issue of Milk Production.

Summer roughage feeding rates about equal to last year

During the 1962 summer feeding season, on farms where roughage was fed, milk cows received an average of one-half ton of hay, the same average as in the summer of 1961. The hay feeding rate was highest in the Western Region in both 1961 and 1962. Silage fed during the summer averaged four-tenths of a ton per cow compared with five-tenths a year earlier. The silage feeding rate was the highest in the East North Central Region in 1962. The feeding rate for green feed in 1962 was heaviest in the Western Region, followed by the East North Central. Data on green feed are not available for 1961.

Alfalfa predominant in summer feeding of hay

Alfalfa and mixed alfalfa hay represented 83 percent of all hay fed during the 1962 summer feeding season, compared with 82 percent in 1961. By regions, the alfalfa percentage was highest in the West, with 97 percent, followed by the North Central with more than 85 percent.

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Nationally, clover, mixed clover, and lespedeza hay accounted for 8 percent of all summer-fed hay in 1962 and 9 percent in 1961. A large part of this group of hays was lespedeza fed in the Southern States, with clover mixtures important in the Northeast. "Other hay," which accounted for 9 percent of the total, nationally, was relatively important in the two Southern Regions.

Larger percentage of hay purchased during summer of 1962

Of the hay fed during the 1962 summer feeding period, 35 percent was purchased, compared with 32 percent in 1961. More than half of the hay summer fed in the West was purchased, and 41 percent was purchased hay in the South Central Region.

Percent of corn silage increases

Of the silage fed during the summer season, 47 percent was corn silage, compared with 35 percent in 1961. Grass silage accounted for 40 percent of the total in 1962 and 46 percent in 1961. During the 1962 summer feeding season, grass silage was the predominant kind in New England, Pennsylvania, Ohio, and Indiana.



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