

# MILK PRODUCTION

August 11, 1965

Special in this issue  
JUNE MILK COW NUMBERS, page 6

## SUMMARY

Milk production in the United States during July is estimated at 10,888 million pounds, slightly above both July 1964 and the 1959-63 average for the month. The production estimate for June has been revised downward to 11,773 million pounds, which is about one-half percent below June last year. July milk production amounted to 1.80 pounds per person daily, compared with 1.83 pounds in July 1964. Milk production per cow averaged 701 pounds in July, about 3 percent more than a year earlier.

Reported condition of dairy pastures on August 1 averaged 75 percent of normal, 6 percentage points better than on August 1 last year, but 3 points below the 1959-63 average for the date. July rainfall was near normal in much of the country but in the Northeast was insufficient to counter the effects of long-continued drought. Pastures also deteriorated appreciably during July in Michigan, part of Wisconsin, Oklahoma, and Texas.

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	<u>1/756</u>	11,857	11,820	<u>1/11,773</u>	-0.4
July.....	629	678	701	10,869	10,874	10,888	+0.1
August.....	586	639		10,107	10,235		
September.....	552	603		9,490	9,636		
October.....	555	608		9,536	9,700		
November.....	532	591		9,121	9,419		
December.....	564	628		9,651	9,991		
Annual.....	7,192	7,880		124,313	126,598		
1/Revised.....							

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

State	Monthly milk per cow <sup>1/</sup>				Milk production				
	July av. 1959-63 <sup>2/</sup>	July 1964	June 1965 <sup>3/</sup>	July 1965	July av. 1959-63 <sup>2/</sup>	July 1964	June 1965 <sup>3/</sup>	July 1965	Change from July 1964
	Pounds	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	805	850	820	-	70	71	68	- 3
New Hampshire...	-	710	830	740	-	31	35	31	0
Vermont.....	-	685	830	705	-	164	195	166	+ 1
Massachusetts...	-	810	875	835	-	66	70	66	0
Rhode Island.....	-	805	875	835	-	8.9	9.2	8.7	- 2
Connecticut.....	-	785	835	805	-	58	60	58	0
New York.....	677	715	867	740	840	857	1,019	867	+ 1
New Jersey.....	733	785	840	805	93	88	90	86	- 2
Pennsylvania....	645	695	790	710	563	569	623	558	- 2
Ohio.....	689	783	815	780	457	468	465	443	- 5
Indiana.....	707	805	800	795	296	311	296	293	- 6
Illinois.....	695	765	855	790	384	365	386	356	- 2
Michigan.....	719	780	840	790	459	483	511	479	- 1
Wisconsin.....	719	745	890	770	1,538	1,576	1,860	1,609	+ 2
Minnesota.....	650	670	860	705	826	848	1,075	881	+ 4
Iowa.....	658	705	750	710	550	549	564	532	- 3
Missouri.....	564	600	660	640	364	343	360	347	+ 1
North Dakota....	639	675	765	725	173	165	176	166	+ 1
South Dakota....	566	580	655	620	138	135	147	139	+ 3
Nebraska.....	591	610	655	640	185	170	174	169	- 1
Kansas.....	502	560	600	590	163	159	163	159	0
Delaware.....	-	645	655	640	-	14.8	14.4	14.1	- 5
Maryland.....	600	620	630	620	129	128	127	125	- 2
Virginia.....	559	580	600	610	182	169	167	169	0
West Virginia...	480	490	500	488	60	52	51	50	- 4
North Carolina..	520	555	600	615	138	134	138	141	+ 5
South Carolina..	413	460	460	485	44	43	41	43	0
Georgia.....	424	470	490	525	89	85	84	89	+ 5
Florida.....	541	610	625	625	100	108	109	109	+ 1
Kentucky.....	519	580	610	615	257	264	270	272	+ 3
Tennessee.....	471	475	500	510	230	217	222	226	+ 4
Alabama.....	372	402	425	425	88	82	84	84	+ 2
Mississippi.....	340	370	400	410	117	105	107	109	+ 4
Arkansas.....	429	440	520	495	91	77	87	83	+ 8
Louisiana.....	-	355	380	385	-	75	78	78	+ 4
Oklahoma.....	534	575	610	600	129	114	116	114	0
Texas.....	461	515	552	541	257	251	255	249	- 1
Montana.....	578	600	630	600	44	41	42	40	- 2
Idaho.....	758	770	810	790	151	142	142	138	- 3
Wyoming.....	651	700	720	710	19.0	18.6	18.5	18.2	- 2
Colorado.....	637	675	680	690	76	72	73	73	+ 1
New Mexico.....	-	600	625	620	-	24	25	25	+ 4
Arizona.....	-	810	850	825	-	42	45	43	+ 2
Utah.....	709	735	800	780	66	63	68	66	+ 5
Nevada.....	685	780	835	860	10.4	11.3	11.7	11.9	+ 5
Washington.....	763	835	905	850	177	181	192	180	- 1
Oregon.....	711	735	820	780	111	100	105	100	0
California.....	891	966	945	950	724	763	737	741	- 3
Alaska.....	-	810	775	815	-	2.02	1.78	1.87	- 7
Hawaii.....	-	830	845	860	-	11.8	12.7	12.8	+ 8
United States...	629	678	756	701	10,869	10,874	11,773	10,888	+ 0.1

<sup>1/</sup> Monthly rate based on all milk cows on farms (in milk or dry),

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

<sup>3/</sup> Revised.

July milk production slightly above year earlier

Milk production in the United States during July is estimated at 10,888 million pounds, slightly above both July 1964 and the 1959-63 average for the month. As a result of the mid-year review of the number of milk cows, the milk production estimate for June has been revised downward to 11,773 million pounds, which is about one-half percent below June last year. On a daily basis, milk production declined about 10 percent from June to July this year, a slightly smaller decrease than a year earlier. July milk production amounted to 1.80 pounds per person daily, compared with 1.83 pounds in July 1964.

New record highs in July milk production were set in Wisconsin and Minnesota, the two leading States. Production was also above a year earlier in New York and Missouri but fell short of July 1964 in the remaining 6 States of the top 10.

Milk per cow up 3 percent

Milk output per cow averaged 701 pounds during July for the United States. A year earlier production per cow was 678 pounds and the 1959-63 average for the month is 629 pounds. On a daily basis, production averaged 22.6 pounds per cow during July, down seasonally less than a year earlier. Average output per cow in July was at a record high level in all but 6 States. California led in output per cow with 950 pounds, followed by Nevada and Hawaii, Washington, Massachusetts and Rhode Island.

Feeding rate per cow up one-half pound

Reported August 1 feeding rates averaged 7.8 pounds per cow, one-half pound more than a year earlier and 1.7 pounds above the 1959-63 average for the date. The daily feeding rate was 10 or more pounds per cow in 9 States while a year ago only two States reported rates of 10 or more pounds. Daily rates of 10 pounds or more were limited mainly to States within the Atlantic regions.

Milk-feed price ratio more favorable than a year earlier

The July milk-feed price ratio, at 1.32, was up 2 percent from 1.30 a year earlier. With value of concentrate ration relatively unchanged from a year earlier, a more favorable milk-feed price ratio resulted from increases in wholesale milk prices. In cream-producing areas, the milkfat-feed price ratio was 22.6 for July compared with 22.3 for June and 23.0 for July a year ago.

Pasture feed poor on August 1, although better than a year ago

Two major areas of poor pasture feed conditions were noted on August 1: (1) the previously droughty conditions reflecting lack of grazing supplies in the Northeast spread into Michigan and southern and eastern Wisconsin, and (2) some improvement was shown in the Louisiana-Mississippi area, but pastures deteriorated considerably in Oklahoma and Texas.

For the country as a whole, the reported condition of dairy pastures on August 1 averaged 75 percent of normal. This is 6 percentage points less than the July 1 condition, about the usual seasonal decline. August 1 condition was 6 percentage points better than on August 1 last year but 3 points below the 1959-63 average condition for the date. Temperatures during July were generally below normal except in the Southern Plain States. While rainfall was near normal for the month in much of the country, it was insufficient to counter the previous droughty conditions in the areas of poor pastures.

In the northeastern part of the country, pasture condition in New England continued to decline during July and on August 1 was the lowest for that date since 1949. Middle Atlantic States reported heavy supplemental feeding with many dairy farmers already cutting into the coming winter supply of hay. Pennsylvania is an example of the effect of the extended drought on feed crops and pastures with 41 of its counties now declared disaster areas eligible for government assistance.

Pastures in Ohio were in the poorest condition for August 1 since 1944 and were 19 percentage points below August 1 a year ago. Michigan pasture condition dropped 31 points during July and was 23 points under a year earlier. Despite a 9-point deterioration during July, pasture condition in Wisconsin was 18 points better than on August 1, 1964. Pastures in the West North Central States were holding-up quite well and, except for Iowa, were in far better condition than at this time last year.

In Southern States, Maryland, West Virginia, Arkansas, Oklahoma, and Texas reported the sharpest deterioration in pasture condition during July. Best improvement over August 1 last year occurred in Virginia, North Carolina, Kentucky, Tennessee, and also in Arkansas, Oklahoma, and Texas where pastures were extremely poor a year ago.

In the West, pasture feed condition on August 1 was better than a year earlier in all States except Idaho, Washington, and Oregon. Pastures were generally good to excellent although condition in an appreciable coastal strip, particularly in Washington and Oregon, was reported as poor to fair on August 1.

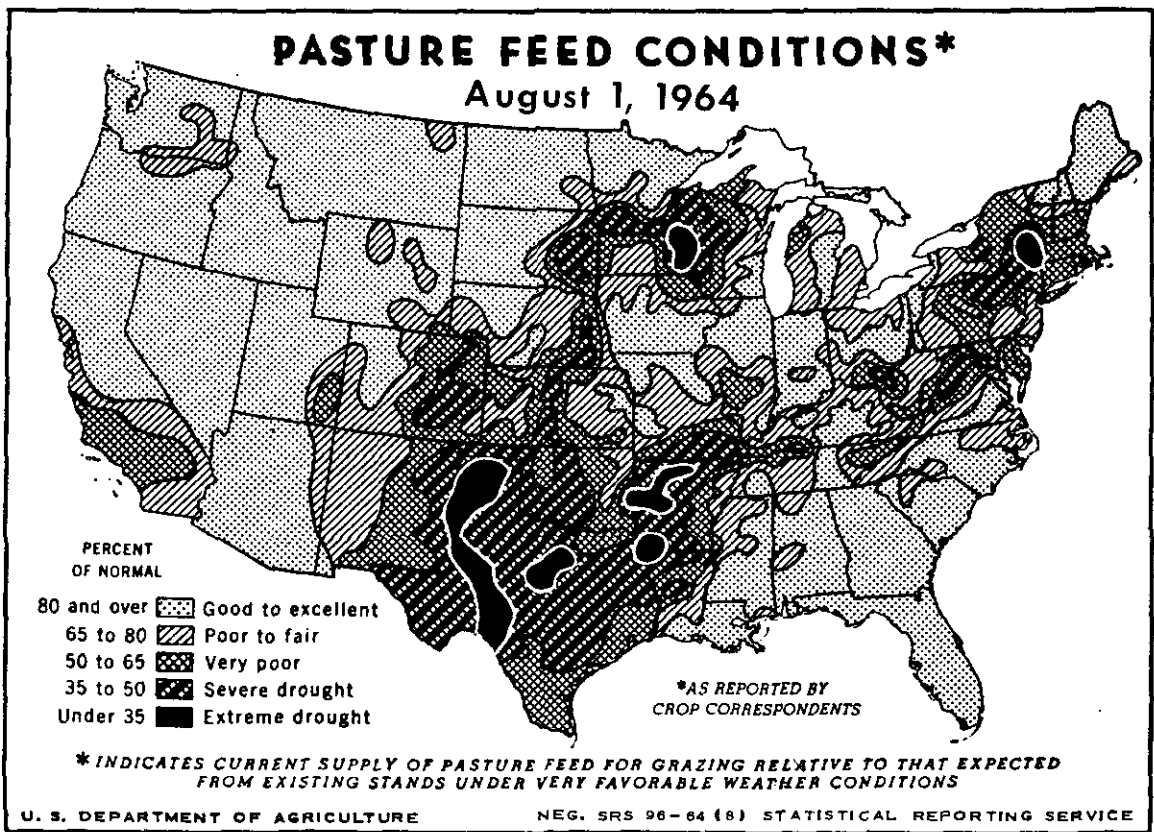
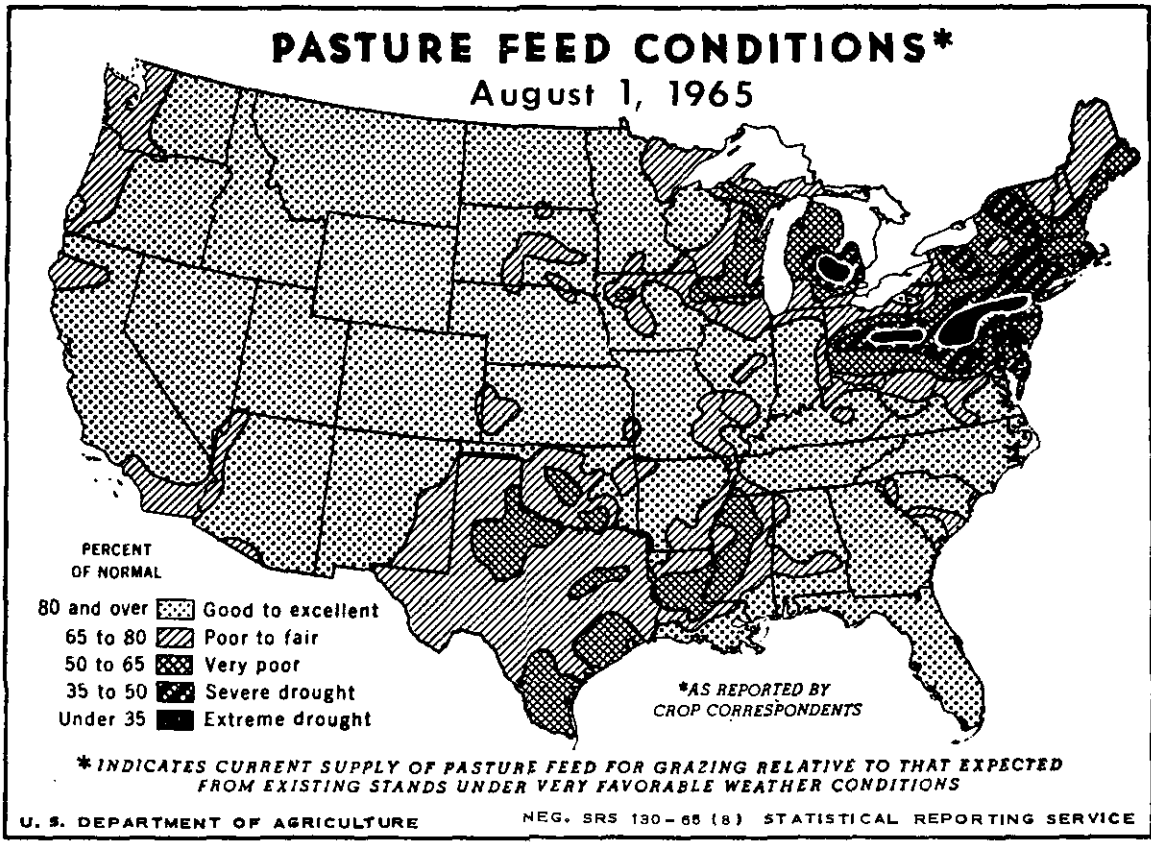


Table 3.-Grain and other concentrates fed daily per milk cow in herds kept by reporters, August 1, 1965, with comparisons

State	Aug. 1 av. 1959-63	Aug. 1, 1964	Aug. 1, 1965	State	Aug. 1 av. 1959-63	Aug. 1, 1964	Aug. 1, 1965
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	7.2	8.6	10.0	West Virginia....	3.9	4.7	5.7
New Hampshire...	7.0	9.0	9.9	North Carolina....	6.6	8.0	8.2
Vermont.....	6.0	7.2	8.5	South Carolina....	5.4	6.0	6.6
Massachusetts...	7.7	9.4	10.6	Georgia.....	6.2	8.6	9.8
Rhode Island....	8.2	9.5	10.5	Florida.....	4.2	6.0	6.5
Connecticut.....	8.4	9.0	10.0	Kentucky.....	5.1	6.7	6.5
New York.....	7.2	8.3	8.8	Tennessee.....	4.9	5.8	5.8
New Jersey.....	8.5	9.6	10.7	Alabama.....	4.8	6.0	7.0
Pennsylvania....	8.5	10.3	10.8	Mississippi.....	3.7	3.6	4.9
Ohio.....	7.6	9.2	9.8	Arkansas.....	4.9	6.1	7.4
Indiana.....	6.8	8.6	9.2	Louisiana.....	4.2	5.5	7.0
Illinois.....	6.8	7.3	7.8	Oklahoma.....	6.0	7.4	7.4
Michigan.....	7.4	9.4	9.4	Texas.....	4.4	5.5	5.5
Wisconsin.....	5.6	6.3	7.1	Montana.....	4.4	4.5	5.0
Minnesota.....	5.4	7.0	6.6	Idaho.....	4.7	5.6	6.1
Iowa.....	6.8	7.3	7.5	Wyoming.....	4.1	4.0	4.5
Missouri.....	6.1	7.2	7.3	Colorado.....	5.8	7.1	8.5
North Dakota....	4.7	6.3	7.1	New Mexico.....	5.2	6.9	8.0
South Dakota....	4.1	5.5	5.7	Arizona.....	5.4	6.5	7.8
Nebraska.....	5.5	6.7	6.2	Utah.....	5.8	6.5	7.7
Kansas.....	5.9	7.4	7.4	Nevada.....	5.1	7.5	8.5
Delaware.....	7.7	9.5	10.8	Washington.....	6.1	6.4	7.6
Maryland.....	8.7	10.0	10.6	Oregon.....	5.1	6.2	7.0
Virginia.....	6.9	9.0	9.1	California.....	7.6	8.5	10.0
				United States....	6.1	7.3	7.8

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

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	July av. 1959-63	July 1964	June 1965	July 1965	July av. 1959-63	July 1964	June 1965	July 1965
N. Atl. ....	Dol. 4.56	Dol. 4.50	Dol. 4.13	Dol. 4.54	Dol. 3.52	Dol. 3.55	Dol. 3.50	Dol. 3.50
E. N. Cent. ..	3.50	3.50	3.56	3.60	2.71	2.81	2.83	2.80
W. N. Cent. ..	3.30	3.31	3.33	3.37	2.34	2.45	2.58	2.56
S. Atl. ....	5.19	5.22	5.12	5.22	3.36	3.37	3.38	3.39
S. Cent. ....	4.25	4.30	4.25	4.30	3.08	3.14	3.10	3.10
West. ....	4.08	4.12	4.16	4.19	3.18	3.22	3.20	3.18
U. S.								
Milk areas....	3.94	3.94	3.86	4.00	2.96	3.03	3.03	3.02
Cream areas...	-	-	-	-	2.47	2.53	2.64	2.62
Milk and cream areas.....	-	-	-	-	2.93	3.01	3.02	3.00

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

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	July av. 1959-63	July 1964	June 1965	July 1965	July av. 1959-63	July 1964	June 1965	July 1965
N. Atl. ....	1.30	1.27	1.18	1.30	-	-	-	-
E. N. Cent. ..	1.29	1.25	1.26	1.29	20.4	19.5	19.9	20.1
W. N. Cent. ..	1.41	1.35	1.29	1.32	26.0	24.1	23.2	23.6
S. Atl. ....	1.54	1.55	1.51	1.54	-	-	-	-
S. Cent. ....	1.38	1.37	1.37	1.39	16.5	16.3	16.7	16.7
West. ....	1.28	1.28	1.30	1.32	18.3	18.0	17.9	18.1
U. S. ....	1.33	1.30	1.27	1.32	24.2	23.0	22.3	22.6

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.-Dairy pasture feed condition, as percentage of normal, August 1, 1965; with comparisons <sup>1/</sup>

State and division	Aug. 1, av. 1959-63	Aug. 1, 1964	Aug. 1, 1965	State and division	Aug. 1, av. 1959-63	Aug. 1, 1964	Aug. 1, 1965
	Percent	Percent	Percent		Percent	Percent	Percent
Me. ....	86	77	60	N. C. ....	83	81	92
N. H. ....	81	63	67	S. C. ....	80	85	85
Vt. ....	81	73	65	Ga. ....	82	89	86
Mass. ....	79	57	54	Fla. ....	87	89	88
R. I. ....	85	68	50	S. Atl. ..	78	75	79
Conn. ....	85	58	46	Ky. ....	87	73	86
N. Y. ....	71	56	54	Tenn. ....	86	75	88
N. J. ....	62	64	43	Ala. ....	80	86	85
Pa. ....	70	64	48	Miss. ....	74	82	66
N. Atl. ....	73	62	53	Ark. ....	79	45	80
Ohio.....	79	76	57	La. ....	75	73	74
Ind. ....	86	87	84	Okla. ....	84	50	75
Ill. ....	81	75	81	Tex. ....	79	43	67
Mich. ....	78	75	52	S. Cent. .	81	62	77
Wis. ....	75	52	70	Mont. ....	75	91	98
E. N. Cent. .	78	68	68	Idaho.....	85	92	90
Minn. ....	80	61	87	Wyo. ....	77	83	92
Iowa.....	89	85	83	Colo. ....	74	61	93
Mo. ....	75	71	88	N. Mex. ....	75	51	77
N. Dak. ....	69	86	96	Ariz. ....	79	84	86
S. Dak. ....	72	64	87	Utah.....	72	86	91
Nebr. ....	82	69	93	Nev. ....	79	89	94
Kans. ....	84	64	89	Wash. ....	81	92	77
W. N. Cent. .	80	71	88	Oreg. ....	85	88	80
Del. ....	67	60	65	Calif. ....	77	76	87
Md. ....	70	65	55	West. ....	79	81	86
Va. ....	74	65	81	U. S. ....	78	69	75
W. Va. ....	80	68	64				

<sup>1/</sup> 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.

#### MILK COWS ON FARMS, JUNE 1965

Surveys in June 1965 indicate a continued downtrend in number of milk cows, according to the Crop Reporting Board. The estimated 15,566,000 milk cows in the United States was 3 percent less than a year earlier, about the same June-to-June decline as in the two previous years. June numbers of milk cows have declined each-year since 1953.

Declines in milk cows from June 1964 were reported in all regions, ranging from 2 percent in the West to 4 percent in both the South Atlantic and South Central Regions. The rate of decline was about the same as a year earlier in the North Atlantic Region and the West, but accelerated slightly in the North Central Regions. Decreases from the preceding June slowed slightly in the South Central States in 1965 but still averaged 4 percent for the Region.

The number of milk cows in June was below a year earlier in all except 4 States -- Colorado and New Mexico with no change, and Arizona and Hawaii with increases. The two leading States in milk cow numbers were Wisconsin with 2,090,000 and Minnesota with 1,250,000. These States were followed by New York, Pennsylvania, California, Iowa, Michigan, Ohio, Missouri, and Texas. The 10 leading States in milk cows accounted for 58 percent of the U. S. total. Milk cows in the 10 leading States as a group declined 2.5 percent from June 1964, compared with 4.1 percent for the other States. The June 1963 to June 1964 reduction in milk cows in the 10 leading States was 1.9 percent.

Table 7.-Number of milk cows on farms, by States, June 1965, with comparisons 1/

State and division	1959	1960	1961	1962	1963	1964	1965	1965 as percent of 1964
	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Percent
Me. ....	95	95	95	92	90	87	83	95
N. H. ....	51	51	51	51	48	44	42	95
Vt. ....	258	258	260	257	252	241	235	98
Mass. ....	95	94	94	91	88	83	80	96
R. I. ....	16	15	14	12.4	12.1	11.1	10.5	95
Conn. ....	90	88	86	79	76	74	72	97
N. Y. ....	1,245	1,248	1,250	1,256	1,216	1,198	1,175	98
N. J. ....	132	132	128	124	117	112	107	96
Pa. ....	883	884	880	871	850	820	788	96
N. Atl. ....	2,865	2,865	2,858	2,833	2,749	2,670	2,592	97.1
Ohio. ....	691	690	674	651	627	600	570	95
Ind. ....	446	431	421	411	398	387	370	96
Ill. ....	606	570	558	540	505	479	452	94
Mich. ....	649	640	638	637	627	619	608	98
Wis. ....	2,160	2,138	2,138	2,138	2,127	2,115	2,090	99
E. N. Cent. ....	4,552	4,469	4,429	4,377	4,284	4,200	4,090	97.4
Minn. ....	1,270	1,265	1,278	1,278	1,265	1,265	1,250	99
Iowa. ....	870	850	846	828	798	780	752	96
Mo. ....	677	659	655	642	607	574	545	95
N. Dak. ....	290	277	271	265	256	245	230	94
S. Dak. ....	259	249	244	238	233	233	224	96
Nebr. ....	340	327	318	303	288	278	265	95
Kans. ....	350	337	330	317	300	285	271	95
W. N. Cent. ....	4,056	3,964	3,942	3,871	3,747	3,660	3,537	96.6
Del. ....	28	27	26	25	24	23	22	96
Md. ....	218	217	219	215	212	208	202	97
Va. ....	337	337	333	322	309	293	278	95
W. Va. ....	138	131	126	119	112	108	102	94
N. C. ....	279	275	266	256	250	242	230	95
S. C. ....	115	109	107	104	100	93	89	96
Ga. ....	231	216	210	202	193	181	171	94
Fla. ....	192	194	189	179	176	177	175	99
S. Atl. ....	1,538	1,506	1,476	1,422	1,376	1,325	1,269	95.8
Ky. ....	511	504	500	494	477	457	442	97
Tenn. ....	500	486	488	494	477	457	444	97
Ala. ....	257	244	237	230	217	205	197	96
Miss. ....	388	367	352	330	305	285	268	94
Ark. ....	233	216	214	207	191	176	167	95
La. ....	240	234	231	226	219	212	204	96
Okla. ....	275	257	248	230	215	200	190	95
Tex. ....	614	577	553	543	520	490	462	94
S. Cent. ....	3,018	2,885	2,823	2,754	2,621	2,482	2,374	95.6
Mont. ....	84	79	76	73	70	68	67	99
Idaho. ....	204	202	200	199	192	186	175	94
Wyo. ....	32.0	31.0	29.0	27.5	26.6	26.5	25.7	97
Colo. ....	128	125	119	116	112	107	107	100
N. Mex. ....	43	42	40	39	40	40	40	100
Ariz. ....	50	50	50	50	51	52	53	102
Utah. ....	96	95	94	93	90	86	85	99
Nev. ....	15	16	15	15	15.0	14.5	14.0	97
Wash. ....	234	233	237	233	224	216	212	98
Oreg. ....	164	162	158	154	145	137	128	93
Calif. ....	830	822	811	804	796	791	780	99
West. ....	1,880	1,857	1,829	1,804	1,762	1,724	1,687	97.9
Alaska. ....		2.5	2.8	2.9	2.6	2.5	2.3	92
Hawaii. ....		13.9	13.7	13.9	14.0	13.9	15.0	108
U. S. ....	17,909	17,562	17,374	17,078	16,555	16,078	15,566	96.8

1/ Includes Alaska and Hawaii beginning with 1960.

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