

# MILK PRODUCTION

August 11, 1967

## July milk output only slightly below July 1966

July milk production in the United States is estimated at 10,311 million pounds, slightly less than a year earlier and 5 percent below the 5-year average for the month. Estimated milk production for June 1967 has been revised to 11,146 million pounds. On a daily average basis, production decreased 10 percent from June to July this year compared with the average decrease of 11 percent. July output provided 1.67 pounds of milk per person daily compared with 1.70 pounds a year earlier. For the first seven months of the year milk production was about the same as the comparable period a year earlier.

Milk production was below a year earlier in most States of the North Atlantic, East North Central, and West North Central. The South Atlantic showed increases in all States except Delaware where a 3-percent decline occurred.

In the South Central and West the pattern was mixed. In these two regions, 2 States showed no change, 9 showed increases, and 8 showed decreases.

Table 1.--Milk per cow and milk production by months, United States, 1967, with comparisons

Month	Milk per cow			Milk production			
	Average	1966	1967	Average	1966	1967	Change
	1961-65			1961-65			from 1966
	Pounds	Pounds	Pounds	Million Pounds	Million Pounds	Million Pounds	Percent
January.....	621	678	715	10,222	9,805	9,855	+0.5
February.....	591	635	670	9,696	9,137	9,217	+0.9
March.....	676	736	766	11,062	10,537	10,510	-0.3
April.....	690	752	785	11,260	10,725	10,732	+0.1
May.....	757	812	844	12,310	11,525	11,508	-0.1
June.....	729	798	1/821	11,816	11,269	1/11,146	-1.1
July.....	671	736	761	10,849	10,350	10,311	-0.4
Jan.-July total.	-	-	-	77,217	73,348	73,279	-0.1
August.....	629	696		10,148	9,763		
September.....	592	663		9,522	9,263		
October.....	602	670		9,643	9,333		
November.....	581	649		9,288	9,012		
December.....	618	687		9,841	9,511		
Annual.....	7,759	8,513		125,660	120,230		

1/ Revised.

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Table 2.-Monthly milk per cow and milk production,  
July 1967, with comparisons

State	Monthly milk per cow <sup>1/</sup>				Milk production				
	July av.:	July	June	July	July av.:	July	June	July	Change from
	1961-65	1966	1967 2/	1967	1961-65	1966	1967 2/	1967	July 1966
	Pounds	Pounds	Pounds	Pounds	Million	Million	Million	Million	Percent
Maine	725	785	810	795	62	58	57	55	- 5
New Hampshire	712	795	855	815	35	33	33	32	- 3
Vermont	680	770	875	780	169	164	179	160	- 2
Massachusetts	751	825	900	845	65	61	64	60	- 2
Rhode Island	781	830	895	855	9.2	7.9	7.6	7.3	- 8
Connecticut	736	815	850	825	58	57	58	56	- 2
New York	711	755	920	785	863	836	985	841	+ 1
New Jersey	764	820	875	820	89	79	79	73	- 8
Pennsylvania	688	745	835	765	586	568	618	565	- 1
Ohio	758	800	860	810	463	416	434	408	- 2
Indiana	741	825	850	830	274	245	237	230	- 6
Illinois	754	830	850	840	367	321	308	302	- 6
Michigan	752	800	840	800	465	431	433	411	- 5
Wisconsin	743	780	945	820	1,583	1,549	1,843	1,597	+ 3
Minnesota	667	720	900	745	844	819	986	814	- 1
Iowa	714	790	850	800	564	517	537	505	- 2
Missouri	645	730	800	780	351	307	314	305	- 1
North Dakota	662	700	775	725	166	137	134	124	- 9
South Dakota	605	675	770	690	143	143	157	141	- 1
Nebraska	624	690	690	680	177	164	155	152	- 7
Kansas	557	620	680	645	156	140	148	139	- 1
Delaware	670	720	770	740	14.4	12.2	12.3	11.8	- 3
Maryland	642	710	735	740	129	128	128	129	+ 1
Virginia	590	640	680	675	170	159	164	162	+ 2
West Virginia	495	530	570	580	52	42	42	43	+ 2
North Carolina	555	610	640	640	132	128	132	132	+ 3
South Carolina	471	545	580	585	43	42	44	44	+ 5
Georgia	464	545	590	595	83	81	85	85	+ 5
Florida	584	640	705	700	105	115	127	126	+10
Kentucky	558	640	680	650	259	253	256	245	- 3
Tennessee	525	555	575	580	223	207	206	208	0
Alabama	351	425	455	440	68	67	68	66	- 1
Mississippi	366	405	450	440	110	98	100	97	- 1
Arkansas	461	570	630	620	78	66	67	66	0
Louisiana	345	405	440	435	76	79	83	82	+ 4
Oklahoma	585	655	735	695	123	109	118	112	+ 3
Texas	505	634	730	705	250	254	274	264	+ 4
Montana	630	635	725	675	40	34	36	33	- 3
Idaho	776	830	880	820	145	134	137	128	- 4
Wyoming	653	715	740	740	16.8	15.5	15.2	15.2	- 2
Colorado	675	740	750	750	75	73	74	74	+ 1
New Mexico	593	655	675	675	23	25	26	26	+ 4
Arizona	783	865	865	865	40	45	45	44	- 2
Utah	762	860	850	850	65	66	67	66	0
Nevada	750	895	875	885	10.9	12.0	11.8	11.9	- 1
Washington	807	885	935	895	172	173	181	174	+ 1
Oregon	728	800	865	840	103	98	102	99	+ 1
California	934	995	980	995	744	767	764	776	+ 1
Alaska	793	795	840	840	2.05	1.59	1.60	1.60	+ 1
Hawaii	759	845	845	845	10.8	12.4	12.1	12.1	- 2
United States	671	736	821	761	10,849	10,350	11,146	10,311	- 0.4

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

<sup>2/</sup> Revised.

July rate per cow up 3 percent from a year earlier

Milk production per cow during July averaged 761 pounds, up 3 percent from a year earlier and 13 percent above average for the month. Production per cow was at a record level for the month in 46 States. On a daily basis, July output per cow averaged 24.5 pounds, which is 2.9 pounds less than June and compares with 23.7 pounds in July 1966.

On a State basis, June production per cow was highest in California with 995 pounds. Following were Washington with 895 pounds, Nevada with 885, Arizona with 865, and Rhode Island with 855 pounds.

Grain fed per cow up 5 percent from a year earlier

Grain and concentrates fed to milk cows on August 1 averaged 8.8 pounds per cow. This is 5 percent more than the 8.4 pounds reported fed on August 1 a year ago. Feeding rates averaged 10 or more pounds in 15 States -- compared with 11 States in 1966.

Dairy pastures continue in good condition

Dairy pasture feed condition continued unusually good through July in most areas of the Nation and on August 1 averaged 85 percent of normal -- 18 percentage points above a year earlier and the highest for August 1 since 1958. The 5-year average condition of dairy pastures for August 1 is 75 percent. August 1 condition was down only 3 points from July 1, compared with an average decline of 6 points during July. Although rainfall was below normal in a number of northern States from the Great Lakes westward, moisture supplies there continued mostly ample because of unusually heavy June rainfall. Pastures continued in good to excellent condition. Exceptions were reported in North Dakota and northern Montana where rainfall was below normal in both June and July. Precipitation in central New Mexico and southern Texas was less than normal, and pastures are in poor to fair condition. July temperatures were 2 to 6 degrees below normal in the eastern two-thirds of the Nation and about 2 degrees above normal in the western one third. Lack of unusually high temperatures during July also favored pasture growth.

In the North Atlantic Region, July precipitation was above normal and pastures were in good to excellent condition. July temperatures were near normal in the region.

June and July precipitation has been light in Ohio and Indiana and pasture conditions in these two States are poor to fair. Other States of the East North Central Region had ample July rainfall and pastures in these States are good to excellent. In most West North Central States, pastures were in good to excellent condition except for very poor pastures in North Dakota. Temperatures during July were 2 to 6 degrees below normal in the North Central Region.

In all South Atlantic States pasture conditions were reported good to excellent. Temperatures ranged from normal to 6 degrees below normal in most areas of this region. Pastures in the South Central States were in good to excellent condition except for the very poor pastures in southern Texas. Pasture conditions were fair in New Mexico and Washington and good to excellent in other Western States of the area. Temperatures in the South Central Region were below normal in most States but were above normal in the West.

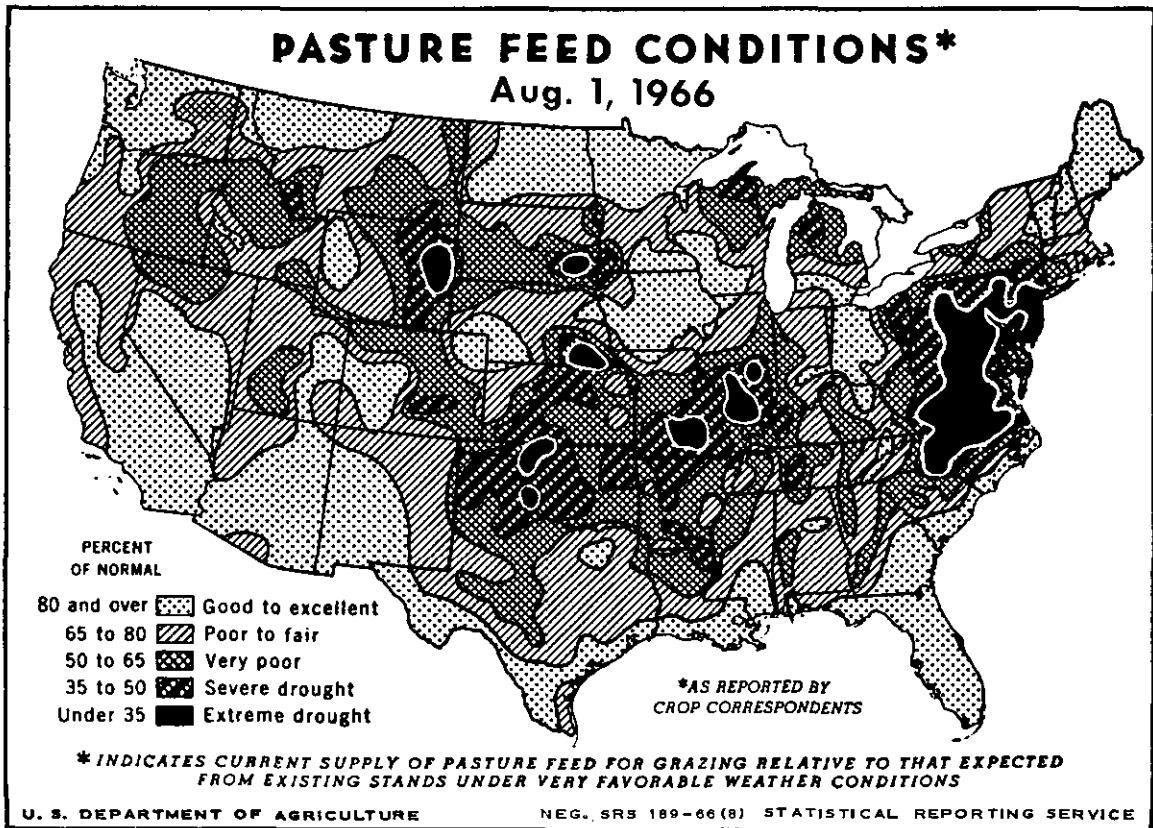
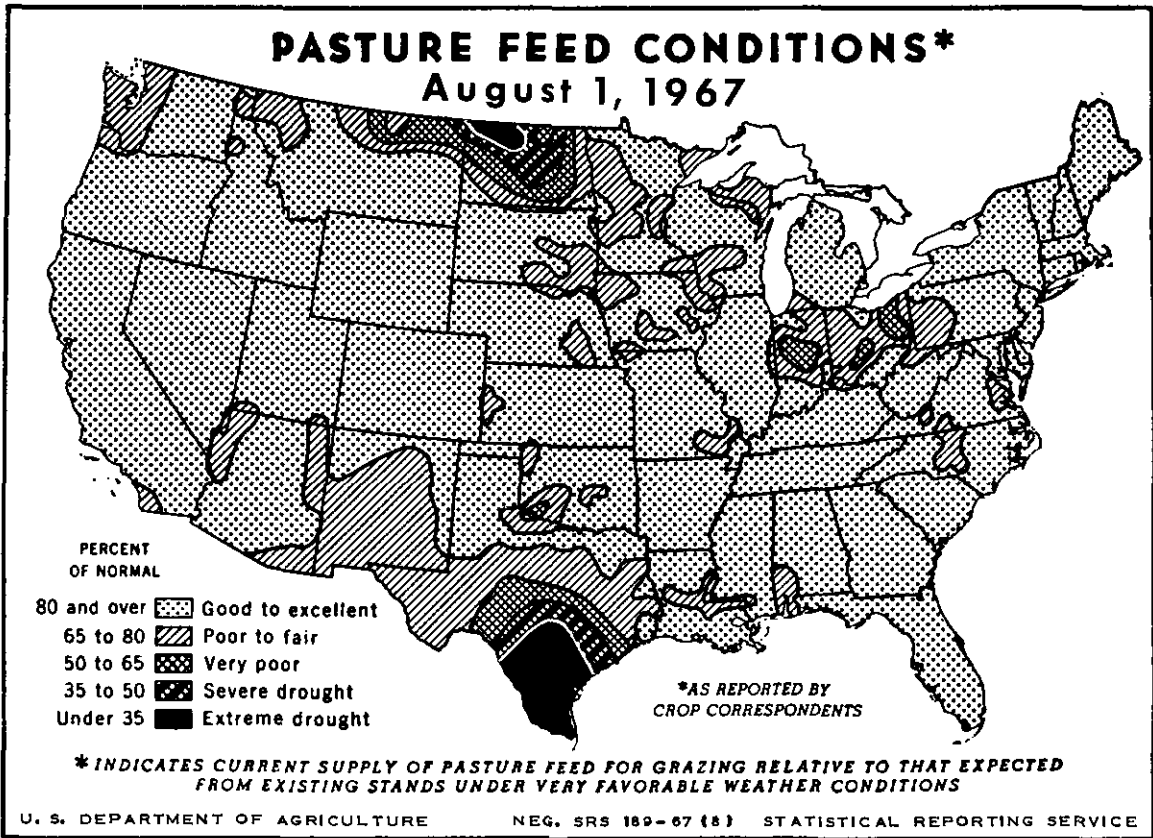


Table 3.--Grain and other concentrates fed daily per milk cow in herds kept by reporters, August 1, 1967, with comparisons

State	Aug. 1, av. : 1961-65	Aug. 1, : 1966	Aug. 1, : 1967	State	Aug. 1, av. : 1961-65	Aug. 1, : 1966	Aug. 1, : 1967
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine	8.3	9.8	10.0	West Virginia	4.5	5.9	6.4
New Hampshire	8.3	10.3	10.0	North Carolina	7.5	8.9	8.6
Vermont	7.0	8.4	8.5	South Carolina	5.8	6.6	8.5
Massachusetts	8.7	11.2	11.2	Georgia	7.7	10.2	10.0
Rhode Island	9.2	11.4	11.7	Florida	5.3	7.0	10.0
Connecticut	9.2	11.0	11.7				
New York	7.9	8.8	10.0	Kentucky	5.8	7.4	7.9
New Jersey	9.6	10.9	10.4	Tennessee	5.4	6.7	6.8
Pennsylvania	9.7	11.7	11.5	Alabama	5.7	7.5	8.5
				Mississippi	4.1	6.5	8.0
Ohio	8.8	10.2	11.1	Arkansas	5.8	8.4	7.9
Indiana	7.9	8.7	9.7	Louisiana	5.1	7.9	8.3
Illinois	7.4	8.7	9.0	Oklahoma	6.9	9.3	9.0
Michigan	8.6	9.2	9.5	Texas	4.9	5.7	6.0
Wisconsin	6.2	7.2	7.4				
				Montana	4.6	5.0	6.0
Minnesota	6.1	8.3	8.2	Idaho	5.3	5.9	6.9
Iowa	7.2	8.4	8.6	Wyoming	4.2	6.6	6.0
Missouri	6.8	7.9	8.6	Colorado	6.6	7.6	8.8
North Dakota	5.8	8.1	8.3	New Mexico	6.2	9.2	8.0
South Dakota	4.9	5.8	6.5	Arizona	6.1	9.8	8.5
Nebraska	6.1	6.7	7.0	Utah	6.5	7.8	9.0
Kansas	6.7	8.1	8.2	Nevada	6.9	9.5	10.7
				Washington	6.7	7.1	8.3
Delaware	9.0	12.0	11.5	Oregon	5.8	7.0	7.3
Maryland	9.6	12.5	11.6	California	8.5	10.5	11.0
Virginia	8.0	9.2	9.0	United States	5.5	8.4	8.8

Table 4.--Dairy pasture feed condition, as percentage of normal, August 1, 1967, with comparisons 1/

State and division	Aug. 1, av. : 1961-65	Aug. 1, : 1966	Aug. 1, : 1967	State and division	Aug. 1, av. : 1961-65	Aug. 1, : 1966	Aug. 1, : 1967
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	78	87	95	N.C.	85	54	88
N. H.	72	78	96	S.C.	83	66	87
Vt.	76	83	91	Ga.	85	75	91
Mass.	67	73	94	Fla.	87	84	85
R. I.	73	82	91	S. Atl.	78	53	89
Conn.	69	63	96	Ky.	86	65	93
N. Y.	62	65	92	Tenn.	84	64	92
N. J.	54	30	88	Ala.	84	68	90
Pa.	60	40	84	Miss.	76	69	89
N. Atl.	64	60	90	Ark.	70	54	91
Ohio	72	77	73	La.	76	74	85
Ind.	86	67	75	Okla.	73	48	89
Ill.	81	53	93	Tex.	67	69	65
Mich.	71	63	90	S. Cent.	76	63	84
Wis.	66	75	85	Mont.	84	72	86
E. N. Cent.	73	69	84	Idaho	89	74	95
Minn.	79	79	79	Wyo.	84	62	98
Iowa	86	87	82	Colo.	76	69	95
Mo.	76	51	88	N. Mex.	67	73	78
N. Dak.	80	84	54	Ariz.	80	86	79
S. Dak.	79	59	82	Utah	80	75	93
Nebr.	81	67	92	Nev.	88	76	97
Kans.	80	56	92	Wash.	84	88	77
W. N. Cent.	81	72	82	Oreg.	85	76	82
Del.	63	42	95	Calif.	81	76	92
Md.	64	40	91	West.	82	76	88
Va.	74	39	88				
W. Va.	75	44	88	U. S.	75	67	85

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.

Milk-feed price ratio same as a year earlier

The July milk-feed price ratio, at 1.49, was unchanged from a year earlier as equal percentage increases were registered for both milk prices and ration values. This ratio represents the pounds of concentrate ration equal in value to 1 pound of whole milk sold by farmers. The five-year average milk-feed price ratio is 1.31 pounds of feed to 1 pound milk. For cream sales during July, 23.6 pounds of concentrate ration were equal in value to 1 pound milkfat in cream sold by farmers. This compares with a milkfat-feed price ratio of 24.3 for July 1966 and 23.7 for the 1961-65 July average.

Table 5.--Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, July 1967, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	July av.:	July	June	July	July av.:	July	June	July
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl. ....	4.50	5.15	4.93	5.30	3.54	3.64	3.75	3.72
E. N. Cent. ..	3.54	4.42	4.44	4.51	2.77	3.00	3.01	2.97
W. N. Cent. ..	3.31	4.18	4.11	4.16	2.43	2.68	2.72	2.70
S. Atl. ....	5.19	5.73	5.93	6.02	3.36	3.52	3.61	3.58
S. Cent. ....	4.28	5.16	5.15	5.20	3.12	3.24	3.38	3.37
West. ....	4.11	4.64	4.75	4.75	3.20	3.23	3.40	3.43
U. S. ....								
Milk areas ..	3.95	4.71	4.68	4.80	3.00	3.17	3.24	3.22
Cream areas ..	---	---	---	---	2.52	2.75	2.80	2.78
Milk and cream areas .....	---	---	---	---	2.98	3.15	3.23	3.21

Table 6.--Milk-fed and milkfat-feed price ratios, by regions, July 1967, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	July av.:	July	June	July	July av.:	July	June	July
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
N. Atl. ....	1.27	1.41	1.31	1.42	---	---	---	---
E. N. Cent. ..	1.28	1.47	1.48	1.52	20.2	20.6	19.7	20.2
W. N. Cent. ....	1.36	1.56	1.51	1.54	25.1	25.5	24.5	24.9
S. Atl. ....	1.54	1.63	1.64	1.68	---	---	---	---
S. Cent. ....	1.37	1.59	1.52	1.54	16.6	17.7	16.1	15.9
West. ....	1.29	1.44	1.40	1.38	18.2	19.9	18.8	18.6
U. S. ....	1.31	1.49	1.44	1.49	23.7	24.3	23.3	23.6

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.

MILK COWS ON FARMS, JUNE 1967

The number of milk cows on U. S. farms in June is estimated at 13.6 million, down 4 percent from the 14.1 million head a year earlier. Milk cow numbers have declined each year since 1953. During this period, the year-to-year rate of decline ranged from a fractional percent in 1954 to 6 percent in both 1958 and 1966. After the sharp drop in 1958, the rate of decline slowed to 2 percent during the 1960-62 period. Yearly decreases from 1963 through 1965 were 4 percent, followed by 6 percent in 1966. The 4 percent decline from 1966 to 1967 indicates that the rate of decline may be tapering off again.

Regionally, the decrease in milk cows from June 1966 ranged from a slight decline in the West to a 6 percent drop in the South Central. Cow numbers were down 3 percent in the South Atlantic Region, 4 percent in both the North Atlantic and East North Central and 5 percent in the West North Central.

Wisconsin continues as the leading State in number of milk cows, down 2 percent from a year earlier, followed by Minnesota and New York with declines of 4 percent each. Of the 10 leading States in number of milk cows, all declined except California. The average decline for the group was 3 percent or one percentage point less than the national average. The 10 States accounted for 59 percent of U. S. number of milk cows in June, the same proportion as a year earlier. The largest percentage decline in milk cows from June 1966 for any State was 13 percent in North Dakota. Increases from 1966 occurred in California, Utah, New Mexico and Nevada.

Table 7.-Number of milk cows on farms, by States, June 1967, with comparisons

State and division	1961	1962	1963	1964	1965	1966	1967	1967 as percent of 1966
	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Percent
Me. ....	93	90	87	83	80	74	70	95
N. H. ....	52	52	50	46	44	41	39	95
Vt. ....	260	257	252	243	234	215	205	95
Mass. ....	94	91	88	85	80	74	71	96
R. I. ....	13.2	12.5	11.9	11.1	10.5	9.7	8.5	88
Conn. ....	86	82	78	75	72	70	68	97
N. Y. ....	1,250	1,256	1,216	1,196	1,168	1,112	1,071	96
N. J. ....	128	124	117	110	103	97	90	93
Pa. ....	886	877	860	839	808	765	740	97
N. Atl. ....	2,862	2,842	2,760	2,688	2,600	2,458	2,362	96.1
Ohio ....	670	645	619	587	552	521	505	97
Ind. ....	407	392	375	357	331	300	279	93
Ill. ....	556	528	495	459	424	390	362	93
Mich. ....	638	637	628	612	587	543	516	95
Wis. ....	2,150	2,150	2,145	2,140	2,080	1,990	1,950	98
E. N. Cent. ...	4,421	4,352	4,262	4,155	3,974	3,744	3,612	96.5
Minn. ....	1,278	1,278	1,270	1,270	1,240	1,141	1,095	96
Iowa ....	846	828	798	772	725	658	632	96
Mo. ....	636	604	552	510	464	423	393	93
N. Dak. ....	271	265	256	244	226	198	173	87
S. Dak. ....	244	240	236	233	227	213	204	96
Nebr. ....	318	303	284	269	256	240	225	94
Kans. ....	320	302	278	263	247	227	217	96
W. N. Cent. ...	3,913	3,820	3,674	3,561	3,385	3,100	2,939	94.8
Del. ....	25	23	22	20	18	17	16	94
Md. ....	213	210	205	195	186	180	174	97
Va. ....	322	306	292	274	258	250	241	96
W. Va. ....	124	114	105	95	87	80	77	92
N. C. ....	259	250	238	227	217	211	207	98
S. C. ....	104	99	94	87	82	77	75	97
Ge. ....	205	194	182	170	158	150	144	96
Fla. ....	189	179	176	177	178	180	180	100
S. Atl. ....	1,441	1,375	1,314	1,245	1,184	1,145	1,111	97.0
Ky. ....	500	494	477	448	422	397	377	95
Tenn. ....	461	451	425	410	385	375	359	96
Ala. ....	224	211	196	183	169	158	149	94
Miss. ....	352	330	303	278	261	242	222	92
Ark. ....	213	200	174	149	132	116	106	91
La. ....	231	227	220	214	206	196	189	96
Okla. ....	248	230	213	193	179	168	161	96
Texas ....	553	543	514	469	430	403	376	93
S. Cent. ....	2,782	2,686	2,522	2,344	2,184	2,055	1,939	94.4
Mont. ....	72	67	63	61	58	54	49	91
Idaho ....	200	199	188	180	170	161	156	97
Wyo. ....	28.5	26.5	25.5	25.0	23.5	22.0	20.5	93
Colo. ....	119	116	113	107	103	99	98	99
N. Mex. ....	40	39	39	39	39	38	39	103
Ariz. ....	49	50	51	52	52	52	52	100
Utah ....	93	89	87	84	81	77	79	103
Nev. ....	15	15	15.0	14.0	14.0	13.4	13.5	101
Wash. ....	227	218	212	206	203	196	194	99
Oreg. ....	158	154	141	134	127	122	118	97
Calif. ....	811	804	796	791	783	771	780	101
West. ....	1,812	1,778	1,730	1,693	1,654	1,605	1,599	99.6
Alaska ....	2.8	2.9	2.6	2.5	2.3	2.0	1.9	95
Hawaii ....	13.4	13.9	14.0	13.9	15.2	14.8	14.3	97
U. S. ....	17,247	16,870	16,279	15,702	14,998	14,124	13,578	96.1

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