

MILK PRODUCTION

August 12, 1968

July milk production 1 percent below a year earlier

U. S. milk production in July is estimated at 10,208 million pounds, 1 percent less than a year earlier and 5 percent below the 1962-66 July average. June 1968 milk production has been revised slightly downward to 10,937 million pounds. Daily average milk production for July was down 10 percent from the revised June production, the same change as a year earlier. Total milk production during the first 7 months of 1968 was 1.6 percent less than a year earlier. July production provided 1.64 pounds of milk per person daily, for all uses, compared with 1.81 pounds in June and 1.67 pounds a year earlier.

July milk production declined from a year earlier in all of the North and South Atlantic States, except Virginia and Georgia, where it rose 2 percent. In the North Central States, production was up in Wisconsin, Minnesota, and South Dakota, and down elsewhere. Most South Central States had less July milk production than a year earlier. Exceptions were Oklahoma, up 3 percent; Kentucky, up 2 percent, and Alabama unchanged. Changes in production were mixed in the West--4 States up, 4 States down, and 3 unchanged.

Table 1.-Milk per cow and milk production by month, United States, 1968, with comparisons

Month	Milk per cow			Production			Change from 1967
	Average 1962-66	1967	1968	Average 1962-66	1967	1968	
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
January	644	716	724	10,196	9,847	9,608	-2.4
February	611	671	699	9,636	9,203	9,249	+0.5
March	698	769	778	10,968	10,517	10,269	-2.4
April	713	788	795	11,175	10,734	10,460	-2.6
May	778	844	859	12,143	11,470	11,283	-1.6
June	750	820	1/ 837	11,658	11,095	1/ 10,937	-1.4
July	692	764	783	10,714	10,315	10,208	-1.0
Jan.-July Total	-	-	-	76,490	73,181	72,014	-1.6
August	651	722		10,047	9,709		
September	614	680		9,446	9,124		
October	623	685		9,547	9,167		
November	603	661		9,208	8,814		
December	641	699		9,759	9,299		
Annual	8,021	8,821		124,497	119,294		

1/ Revised.

Special in this issue
MILK COWS - June 1968, page 6

July milk output per cow 2 percent above a year earlier

Milk output per cow averaged 783 pounds during July, 2 percent above a year earlier and 13 percent above average for the month. Daily output per cow in July averaged 25.3 pounds, compared with 27.9 pounds in June and 24.6 pounds a year earlier. Production per cow was at a record-high level for July in 42 States. Highest output per cow was in California at 1,020 pounds; followed by Washington, 930 pounds; Utah, 890 pounds; Alaska, 885 pounds; and Nevada, 875 pounds.

Grain and concentrate feeding rates gain 7 percent

Grain and other concentrates fed on August 1 averaged 9.4 pounds per milk cow, up 7 percent from a year earlier and 27 percent above average. Feeding rates exceeded a year earlier in 35 States, and attained 11 or more pounds in 10 States. A year earlier, only 8 States were feeding at this rate.

July milk-feed price ratio 11 percent above a year earlier

The July milk-feed price ratio of 1.64 rose 11 percent above a year earlier, 22 percent above average, and attained the record-high ratio for the month. Higher milk prices and lower ration values caused the increase from a year earlier. The milkfat-feed price ratio for farm separated cream was 25.7 in July, 7 percent above a year earlier and 8 percent above average.

Dairy pastures in good condition

Reported dairy pasture condition on August 1 was 85 percent of normal. This is the same as a year earlier, and 13 points higher than average for the date. From July 1 to August 1 there was a decline of 4 percentage points, but the average decline for this period is 9 points.

Pastures in the North Atlantic and East North Central States continued generally good to excellent through July, with less seasonal decline than usual. The sharpest decline from July 1 was 16 points in Pennsylvania. Reported condition on August 1 was the second highest of record in Ohio and Wisconsin. In the West North Central States, pasture feed is better than a year ago in Minnesota and North Dakota but much poorer in Missouri, Nebraska, and Kansas.

In the South, Florida reported pasture condition at 85 percent of normal on August 1, compared with the low of 57 percent on May 1. Tennessee reported 68 percent of normal, down from the high of 92 percent reported on June 1. In Delaware and Maryland, high temperatures accentuated developing moisture shortages, and pasture condition declined sharply during July. Texas reported a pasture condition of 87 percent, maintaining the very good condition shown throughout the season to date. This was the highest condition Texas has reported on August 1 since 1961.

In the West, Colorado pastures continued to decline during July, showing need for more rainfall. Reported condition of 65 percent on August 1 was 30 percentage points below the excellent figure reported a year earlier. Pastures are also much poorer than a year ago in California and Nevada. New Mexico, as a result of beneficial rains, showed a 15-point improvement in pasture condition from July 1.

Table 2.-Monthly milk per cow and milk production,
July 1968, with comparisons

State	Monthly milk per cow ^{1/}				Milk production				
	July av. 1962-66	July 1967	June 1968 ^{2/}	July 1968	July av. 1962-66	July 1967	June 1968 ^{2/}	July 1968	Change from July 1967
	Pounds	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	741	800	815	805	61	58	58	57	-2
New Hampshire.....	736	805	825	800	34	34	33	32	-6
Vermont.....	695	765	860	780	167	165	182	164	-1
Massachusetts.....	773	810	875	815	64	60	62	57	-5
Rhode Island.....	800	825	900	830	8.8	7.3	7.3	6.7	-8
Connecticut.....	758	810	855	810	57	56	58	55	-2
New York.....	722	805	915	800	855	860	952	830	-3
New Jersey.....	778	815	885	830	85	70	69	65	-7
Pennsylvania.....	705	755	810	745	582	557	587	539	-3
Ohio.....	776	820	880	830	451	406	418	393	-3
Indiana.....	762	815	870	850	264	219	219	213	-3
Illinois.....	776	820	875	850	352	293	289	279	-5
Michigan.....	768	800	840	805	458	394	396	378	-4
Wisconsin.....	757	825	965	845	1,584	1,593	1,846	1,615	+1
Minnesota.....	680	785	945	810	840	856	1,002	859	0
Iowa.....	741	820	890	855	555	507	512	488	-4
Missouri.....	679	800	830	805	341	316	315	305	-3
North Dakota.....	678	715	830	770	260	123	128	117	-5
South Dakota.....	623	695	800	750	143	146	164	153	+5
Nebraska.....	640	680	735	695	171	152	154	146	-4
Kansas.....	578	670	710	700	152	147	149	146	-1
Delaware.....	687	730	740	730	13.7	11.7	11.1	11.0	-6
Maryland.....	657	740	730	750	128	129	124	128	-1
Virginia.....	605	665	710	710	165	160	165	164	+2
West Virginia.....	499	550	580	560	47	40	39	38	-5
North Carolina.....	570	630	645	645	129	125	124	124	-1
South Carolina.....	491	585	590	590	43	43	42	42	-2
Georgia.....	489	595	630	635	82	85	87	87	+2
Florida.....	610	690	710	680	108	125	129	123	-2
Kentucky.....	577	635	670	660	256	241	249	246	+2
Tennessee.....	531	590	610	610	216	205	204	204	0
Alabama.....	369	440	455	460	67	66	65	66	0
Mississippi.....	378	440	455	455	106	97	96	95	-2
Arkansas.....	490	610	650	625	73	66	66	64	-3
Louisiana.....	364	440	440	455	77	83	79	82	-1
Oklahoma.....	604	710	770	755	117	113	119	116	+3
Texas.....	534	670	700	690	248	257	260	256	0
Montana.....	642	700	780	730	39	34	36	34	0
Idaho.....	793	840	895	850	141	131	135	128	-2
Wyoming.....	676	740	745	750	16.4	15.2	14.5	14.6	-4
Colorado.....	693	740	755	740	74	72	73	71	-1
New Mexico.....	618	660	685	685	24	25	26	26	+4
Arizona.....	804	845	875	855	41	43	45	44	+2
Utah.....	788	860	900	890	65	65	67	66	+2
Nevada.....	800	880	870	875	11.4	11.9	11.8	11.9	0
Washington.....	834	895	970	930	172	174	178	171	-2
Oregon.....	751	815	880	845	101	95	100	95	0
California.....	955	985	1,005	1,020	753	769	779	790	+3
Alaska.....	806	840	845	885	1.96	1.60	1.52	1.59	-1
Hawaii.....	787	875	825	815	11.3	12.5	11.2	11.0	-12
United States.....	692	764	837	783	10,714	10,315	10,937	10,208	-1.0

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

^{2/} Revised.

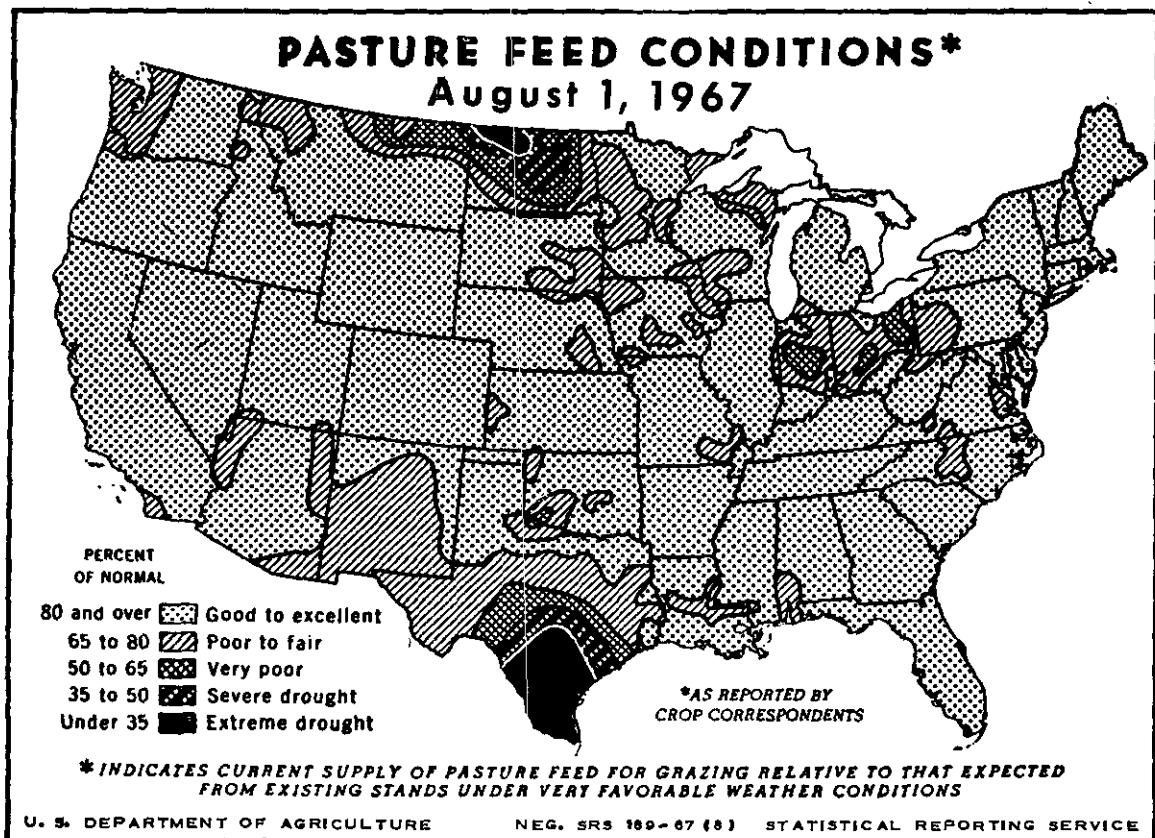
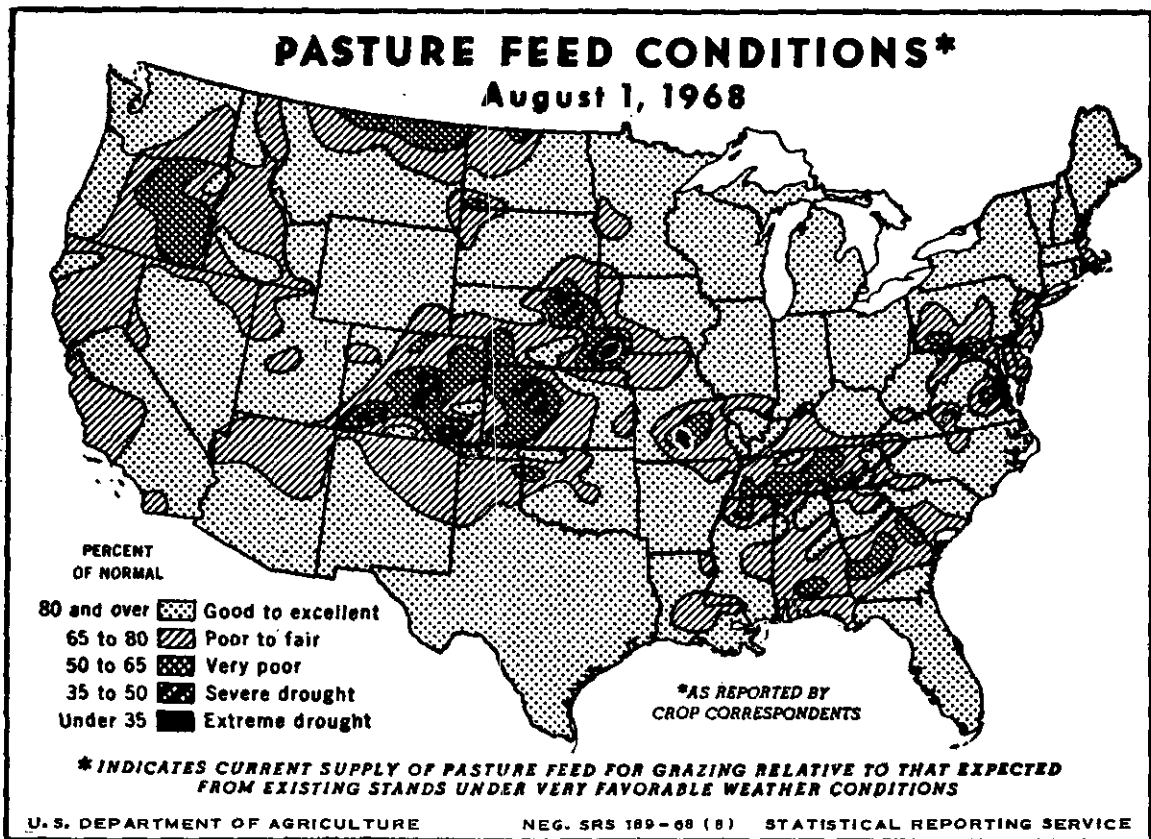


Table 3.--Grain and other concentrates fed daily per milk cow in herds kept by reporters, August 1, 1968, with comparisons

State	Aug. 1, av. 1962-66	Aug. 1, 1967	Aug. 1, 1968	State	Aug. 1, av. 1962-66	Aug. 1, 1967	Aug. 1, 1968
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	8.9	10.0	10.0	West Virginia....	4.9	6.4	6.0
New Hampshire...	9.0	10.0	10.5	North Carolina...	8.0	8.6	9.0
Vermont.....	7.5	8.5	9.0	South Carolina....	6.1	8.5	10.5
Massachusetts...	9.5	11.2	12.0	Georgia.....	8.6	10.0	10.5
Rhode Island....	9.8	11.7	12.0	Florida.....	5.9	10.0	10.0
Connecticut.....	9.7	11.7	12.0	Kentucky.....	6.3	7.9	8.5
New York.....	8.3	10.0	9.5	Tennessee.....	5.7	6.8	7.7
New Jersey.....	10.1	10.4	11.4	Alabama.....	6.3	8.5	9.5
Pennsylvania....	10.4	11.5	11.9	Mississippi.....	4.5	8.0	9.0
Ohio.....	9.4	11.1	10.9	Arkansas.....	6.5	7.9	8.6
Indiana.....	8.4	9.7	10.0	Louisiana.....	5.9	8.3	8.3
Illinois.....	7.7	9.0	9.5	Oklahoma.....	7.3	9.0	10.5
Michigan.....	9.0	9.5	11.8	Texas.....	5.1	6.0	7.5
Wisconsin.....	6.5	7.4	8.2	Montana.....	4.7	6.0	6.5
Minnesota.....	6.7	8.2	8.7	Idaho.....	5.5	6.9	6.8
Iowa.....	7.5	8.6	9.2	Wyoming.....	4.6	6.0	6.9
Missouri.....	7.1	8.6	9.2	Colorado.....	7.0	8.8	7.7
North Dakota....	6.3	8.3	8.0	New Mexico.....	7.0	8.0	10.5
South Dakota....	5.2	6.5	7.7	Arizona.....	7.0	8.5	8.0
Nebraska.....	6.3	7.0	7.6	Utah.....	6.8	9.0	8.2
Kansas.....	7.1	8.2	8.8	Nevada.....	7.5	10.7	11.7
Delaware.....	9.9	11.5	12.0	Washington.....	6.8	8.3	7.3
Maryland.....	10.4	11.6	11.5	Oregon.....	6.2	7.3	8.8
Virginia.....	8.5	9.0	9.5	California.....	9.1	11.0	12.0
				United States.....	7.4	8.8	9.4

Table 4.--Dairy pasture feed condition, as percentage of normal, August 1, 1968, with comparisons ^{1/}

State and division	Aug. 1, av. 1962-66	Aug. 1, 1967	Aug. 1, 1968	State and division	Aug. 1, av. 1962-66	Aug. 1, 1967	Aug. 1, 1968
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	76	95	86	N. C.	78	88	88
N. H.	69	96	88	S. C.	78	87	84
Vt.	74	91	90	Ga.	83	91	77
Mass.	64	94	83	Fla.	87	85	85
R. I.	72	91	87	S. Atl. ..	71	89	82
Conn.	64	96	87	Ky.	80	93	85
N. Y.	57	92	91	Tenn.	78	92	68
N. J.	44	88	80	Ala.	79	90	75
Pa.	51	84	77	Miss.	73	89	78
N. Atl.	58	90	86	Ark.	63	91	86
Ohio.....	69	73	93	La.	73	85	84
Ind.	82	75	91	Okla.	64	89	85
Ill.	74	93	89	Tex.	62	65	87
Mich.	67	90	90	S. Cent. .	70	84	82
Wis.	67	85	94	Mont.	89	86	80
E. N. Cent. .	70	84	92	Idaho.....	88	95	84
Minn.	80	79	90	Wyo.	82	98	85
Iowa.....	85	82	81	Colo.	73	95	65
Mo.	68	88	76	N. Mex.	67	78	77
N. Dak.	89	54	84	Ariz.	82	79	83
S. Dak.	77	82	82	Utah.....	83	93	85
Nebr.	79	92	65	Nev.	89	97	78
Kans.	74	92	71	Wash.	86	77	86
W. N. Cent. .	79	82	80	Oreg.	84	82	82
Del.	55	95	74	Calif.	82	92	74
Md.	55	91	76	West.	83	88	78
Va.	64	88	84	U. S.	72	85	85
W. Va.	65	88	83				

^{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.

Table 5.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, July 1968, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	July av. 1962-66	July 1967	June 1968	July 1968	July av. 1962-66	July 1967	June 1968	July 1968
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	4.62	5.39	5.22	5.80	3.57	3.74	3.63	3.59
E. N. Cent. ..	3.70	4.49	4.69	4.74	2.83	3.04	2.94	2.89
W. N. Cent. ..	3.47	4.11	4.31	4.35	2.50	2.68	2.58	2.52
S. Atl.	5.30	5.94	6.04	6.09	3.41	3.62	3.45	3.45
S. Cent.	4.46	5.20	5.41	5.47	3.15	3.39	3.27	3.27
West.	4.22	4.73	4.88	4.93	3.21	3.35	3.28	3.27
U. S.								
Milk areas....	4.09	4.79	4.90	5.06	3.05	3.24	3.12	3.09
Cream areas...	---	---	---	---	2.58	2.75	2.67	2.61
Milk and cream areas.....	---	---	---	---	3.03	3.23	3.12	3.08

Table 6.-Milk-fed and milkfat-feed price ratios, by regions, July 1968, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	July av. 1962-66	July 1967	June 1968	July 1968	July av. 1962-66	July 1967	June 1968	July 1968
N. Atl.	1.30	1.44	1.44	1.62	---	---	---	---
E. N. Cent. ..	1.30	1.48	1.60	1.64	20.1	19.4	20.0	20.4
W. N. Cent. ..	1.38	1.53	1.67	1.73	25.0	25.3	26.5	27.3
S. Atl.	1.56	1.64	1.75	1.77	---	---	---	---
S. Cent.	1.41	1.53	1.65	1.67	16.8	16.3	16.8	16.5
West.	1.31	1.41	1.49	1.51	18.5	19.2	19.8	19.6
U. S.	1.34	1.48	1.57	1.64	23.8	24.0	25.0	25.7

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 1968

The number of milk cows on U.S. farms in June is estimated at 13.1 million, down 3 percent from a year earlier, continuing the decline since 1953. Decreases were 4 percent each year in 1963-1965 and 6 percent in 1966. A 4-percent decline in 1967 and the current rate show a tapering of the rate of decline.

Regional decreases in milk cows from June 1967 ranged from 2 percent in the West to 5 percent in the West North Central. In the North Atlantic, East North Central and South Atlantic Regions, milk cows on farms were down 3 percent from a year earlier. The decline was 4 percent in the South Central Region.

Wisconsin led the States in number of milk cows, with 1,913,000 head, 1 percent less than a year earlier. Minnesota was second, with 1,060,000 and New York third, with 1,040,000, both 3 percent below a year earlier. Each of the 10 leading States showed year-to-year decreases in numbers of June milk cows. The 10 accounted for 60 percent of all U.S. milk cows in June, compared with 59 percent a year earlier. The largest year-to-year decline in milk cows was 11 percent in North Dakota. Milk cow numbers increased in Nevada and were unchanged from a year earlier in Florida, New Mexico, and Arizona. Cow numbers were down from a year earlier in all other States.

Table 7.-Number of milk cows on farms, by States, June 1968, with comparisons

State and division	1962	1963	1964	1965	1966	1967	1968	1968 as percent of 1967
	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Thou.	Percent
Me.	90	87	83	80	75	73	71	97
N. H.	52	50	46	44	42	42	40	95
Vt.	257	252	243	234	219	216	212	98
Mass.	91	88	85	80	76	74	71	96
R. I.	12.5	11.9	11.1	10.5	9.6	8.9	8.1	91
Conn.	82	78	75	72	70	69	68	99
N. Y.	1,256	1,216	1,196	1,168	1,112	1,070	1,040	97
N. J.	124	117	110	103	93	86	78	91
Pa.	877	860	839	808	765	740	725	98
N. Atl.	2,842	2,760	2,688	2,600	2,462	2,379	2,313	97.2
Ohio	645	619	587	552	521	497	475	96
Ind.	392	375	357	331	296	272	252	93
Ill.	528	495	459	424	388	359	330	92
Mich.	637	628	612	587	535	496	471	95
Wis.	2,150	2,145	2,140	2,080	1,975	1,933	1,913	99
E. N. Cent. ..	4,352	4,262	4,155	3,974	3,715	3,557	3,441	96.7
Minn.	1,278	1,270	1,270	1,240	1,141	1,095	1,060	97
Iowa	828	798	772	725	654	620	575	93
Mo.	604	552	510	464	423	397	380	96
N. Dak.	265	256	244	226	198	173	154	89
S. Dak.	240	236	233	227	216	210	205	98
Nebr.	303	284	269	256	237	225	210	93
Kans.	302	278	263	247	233	221	210	95
W. N. Cent. ..	3,820	3,674	3,561	3,385	3,102	2,941	2,794	95.0
Del.	23	22	20	18	17	16	15	94
Md.	210	205	195	186	180	174	170	98
Va.	306	292	274	258	250	241	232	96
W. Va.	114	105	95	87	80	73	67	92
N. C.	250	238	227	217	209	200	192	96
S. C.	99	94	87	82	77	75	72	96
Ge.	194	182	170	158	150	144	138	96
Fla.	179	176	177	178	178	182	182	100
S. Atl.	1,375	1,314	1,245	1,184	1,141	1,105	1,068	96.7
Ky.	494	477	448	422	397	380	372	98
Tenn.	451	425	410	385	370	349	335	96
Ala.	211	196	183	169	158	150	143	95
Miss.	330	303	278	261	242	222	210	95
Ark.	200	174	149	132	116	108	102	94
La.	227	220	214	206	196	189	180	95
Okla.	230	213	193	179	168	159	154	97
Texas	543	514	469	430	403	384	372	97
S. Cent.	2,686	2,522	2,344	2,184	2,050	1,941	1,868	96.2
Mont.	67	63	61	58	54	49	46	94
Idaho	199	188	180	170	161	156	151	97
Wyo.	26.5	25.5	25.0	23.5	21.5	20.5	19.5	95
Colo.	116	113	107	103	99	98	97	99
N. Mex.	39	39	39	39	38	38	38	100
Ariz.	50	51	52	52	52	51	51	100
Utah	89	87	84	81	77	77	74	96
Nev.	15	15.0	14.0	14.0	13.4	13.4	13.6	101
Wash.	218	212	206	203	196	194	184	95
Oreg.	154	141	134	127	122	118	114	97
Calif.	804	796	791	783	772	780	775	99
West.	1,778	1,730	1,693	1,654	1,606	1,595	1,563	98.0
Alaska	2.9	2.6	2.5	2.3	2.0	1.9	1.8	95
Hawaii	13.9	14.0	13.9	15.2	14.8	14.3	13.6	95
U. S.	16,870	16,279	15,702	14,998	14,093	13,534	13,062	96.5

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