

# MILK PRODUCTION

SEPTEMBER 1970

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## September milk production up 1 percent from a year earlier

U. S. milk production in September is estimated at 9,250 million pounds, 1 percent more than a year earlier. Daily average production was down 2 percent from August -- the same decrease as a year earlier. September output provided 1.50 pounds of milk per person daily for all uses -- equal to last September's supply but less than the 1.53 pounds for August. Production during the first 9 months of 1970 was 0.4 percent more than a year earlier.

Milk production was down in most States of the North Atlantic and West North Central regions. In the East North Central, South Central and Western regions, production was unchanged or higher in all States, and changes varied in the South Atlantic States.

## Rate per cow up 2 percent from a year earlier, milk cows down 1 percent

Milk output per cow averaged 744 pounds in September -- up 2 percent from a year earlier. Daily production per cow averaged 24.8 pounds, about 2 percent less than August, the same decrease between these two months as a year earlier. Production per cow was at a record high rate in 43 States. The highest rate was in California -- 1,010 pounds; followed by Washington, 930 pounds; Arizona, 920 pounds; Utah, 860 pounds; and Hawaii, 855 pounds.

Milk cows on farms during September totaled 12,437,000 head, down 1 percent from a year earlier.

## Milk-feed price ratio 6 percent less than a year earlier

The September milk-feed price ratio was 6 percent below a year earlier. Sharply increased ration values in all regions accounted for the drop in ratio. The all milk price was 11 cents higher than a year earlier. The ratio showed a 1-percent increase from a month earlier, compared with a 6-percent increase from August to September a year earlier.

## Grain and concentrate feeding up 6 percent from a year earlier

Grain and concentrates fed on October 1 averaged 10.7 pounds -- up 6 percent from a year earlier and a record high for the date. Feeding rates were above a year earlier in 30 States. This year 22 States were feeding 11 or more pounds of grain and concentrates, compared with 16 States a year earlier.

Pastures good to excellent in most areas

Pasture condition improved more than usual in September, and on October 1 reported condition was 81 percent of normal -- 6 points more than a month earlier, 2 points above a year ago, and 3 points above the 1959-68 average. Rains and temperatures helped relieve earlier drought in many areas.

Conditions in North Atlantic States ranged from 60 percent of normal in New Jersey to 88 in Pennsylvania.

Pastures in the East North Central States were all in good to excellent condition on October 1. All but Ohio improved and Wisconsin was up 26 percentage points. In this area only Wisconsin was below average for the date. Pastures in all West North Central States improved in September. Reported condition ranged from 62 in South Dakota to 88 in Missouri.

Pasture condition showed the greatest decline in the South Atlantic States, where weather has been very dry and hot. Delaware at 57 percent had the lowest reported condition of the 48 States. Florida at 88 percent was the only State in the region above a year ago, a month ago, and above average.

In the South Central States, only Oklahoma and Texas reported pasture condition below 80 percent of normal, and below average for October 1. However, both States improved 21 points above the very low condition reported a month ago.

Only two of the 48 States -- Wyoming and Nevada -- reported pasture condition 90 percent or higher on October 1. All three Pacific Coast States reported condition of pastures at 75 percent. Reported condition in California was below a month ago, a year ago, and below average.

Milk cows and milk production by months, United States

Month	Milk cows on farms <u>1/</u>			Milk per cow <u>2/</u>			Milk production <u>2/</u>			:Change : from : 1969
	: 1968	: 1969	: 1970	: 1968	: 1969	: 1970	: 1968	: 1969	: 1970	
	: - - Thousands - -			: - - Pounds - -			: Million pounds - -			: Percent
January .....	: 13,235	: 12,818	: 12,544	: 717	: 734	: 750	: 9,495	: 9,411	: 9,412	: 0
February .....	: 13,200	: 12,795	: 12,530	: 696	: 687	: 706	: 9,187	: 8,792	: 8,840	: +0.5
March .....	: 13,164	: 12,765	: 12,514	: 775	: 780	: 803	: 10,197	: 9,960	: 10,053	: +0.9
April .....	: 13,132	: 12,743	: 12,500	: 796	: 806	: 826	: 10,457	: 10,265	: 10,330	: +0.6
May .....	: 13,097	: 12,721	: 12,482	: 858	: 867	: 883	: 11,235	: 11,034	: 11,019	: -0.1
June .....	: 13,056	: 12,701	: 12,472	: 826	: 847	: 862	: 10,786	: 10,759	: 10,750	: -0.1
July .....	: 13,024	: 12,678	: 12,457	: 783	: 800	: 816	: 10,202	: 10,142	: 10,162	: +0.2
August .....	: 12,990	: 12,653	: 12,450	: 740	: 764	: 782	: 9,612	: 9,673	: 9,732	: +0.6
September .....	: 12,952	: 12,626	: 12,437	: 701	: 726	: 744	: 9,083	: 9,165	: 9,250	: +0.9
Jan.-Sept. total :	: ---	: ---	: ---	: ---	: ---	: ---	: 90,254	: 89,201	: 89,548	: +0.4
October .....	: 12,917	: 12,601		: 706	: 725		: 9,124	: 9,138		
November .....	: 12,880	: 12,579		: 677	: 691		: 8,717	: 8,691		
December .....	: 12,847	: 12,559		: 711	: 730		: 9,139	: 9,170		
Annual .....	: 13,038	: 12,689		: 8,992	: 9,158		: 117,234	: 116,200		

1/ Includes dry cows. Excludes heifers not yet fresh.

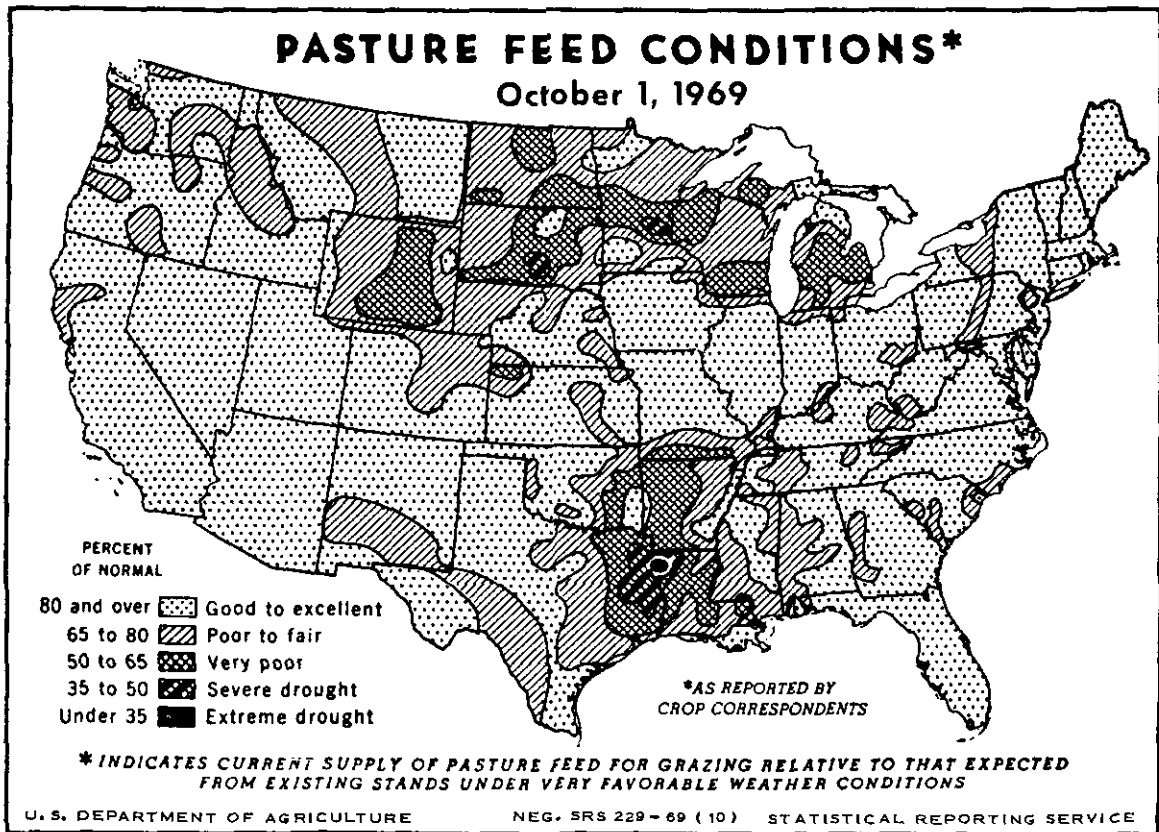
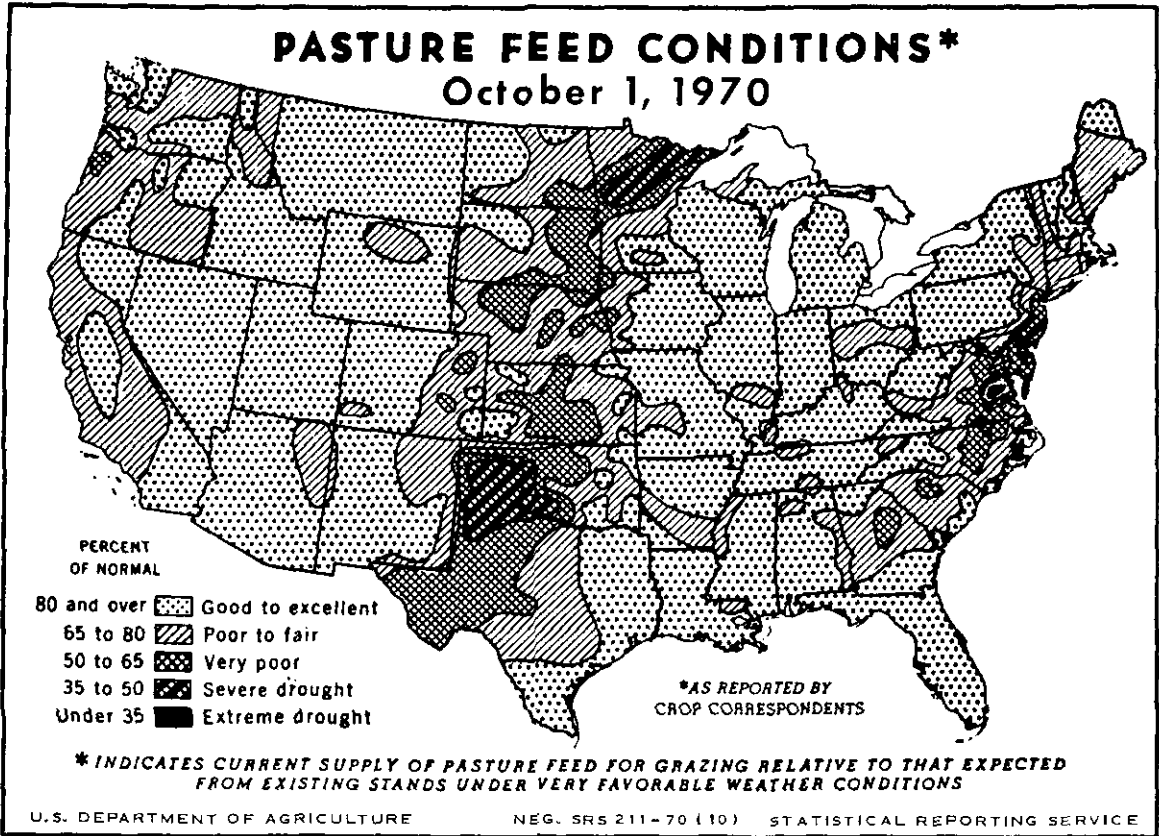
2/ Excludes milk sucked by calves.

September milk cows and milk production

State	Milk cows on farms 1/			Milk per cow 2/			Milk production 2/			:Change : from : 1969
	1968	1969	1970	1968	1969	1970	1968	1969	1970	
	-- Thousands --			-- Pounds --			-- Million pounds --			Percent
Maine	69	69	69	730	760	765	50	52	53	+2
New Hampshire	38	38	37	770	800	795	29	30	29	-3
Vermont	208	206	207	715	765	770	149	158	159	+1
Massachusetts	68	65	64	830	850	850	56	55	54	-2
Rhode Island	8.0	7.9	7.6	785	810	830	6.3	6.4	6.3	-2
Connecticut	67	66	65	825	850	845	55	56	55	-2
New York	1,031	1,022	1,022	755	785	800	778	802	818	+2
New Jersey	77	74	70	795	835	830	61	62	58	-6
Pennsylvania	724	716	710	765	800	805	554	573	572	0
Ohio	472	461	452	775	785	800	366	362	362	0
Indiana	247	241	237	785	820	835	194	198	198	0
Illinois	327	321	317	745	780	790	244	250	250	0
Michigan	479	472	467	800	820	830	383	387	388	0
Wisconsin	1,877	1,838	1,811	705	735	760	1,323	1,351	1,376	+2
Minnesota	1,049	996	968	575	600	610	603	598	590	-1
Iowa	561	520	483	680	695	715	381	361	345	-4
Missouri	377	365	355	700	700	710	264	256	252	-2
North Dakota	155	146	140	530	530	545	82	77	76	-1
South Dakota	200	189	177	605	630	650	121	119	115	-3
Nebraska	211	200	192	635	635	660	134	127	127	0
Kansas	211	205	199	640	650	700	135	133	139	+5
Delaware	15	15	15	720	750	780	10.8	11.2	11.7	+4
Maryland	170	168	168	760	790	790	129	133	133	0
Virginia	229	224	221	690	720	710	158	161	157	-2
West Virginia	67	63	60	525	550	560	35	35	34	-3
North Carolina	193	190	187	635	650	675	123	124	126	+2
South Carolina	72	69	66	580	600	610	42	41	40	-2
Georgia	140	140	141	620	655	680	87	92	96	+4
Florida	185	189	190	640	635	665	118	120	126	+5
Kentucky	364	351	343	610	625	645	222	219	221	+1
Tennessee	326	310	306	560	590	610	183	183	187	+2
Alabama	142	137	134	470	480	490	67	66	66	0
Mississippi	207	199	194	435	440	455	90	88	88	0
Arkansas	101	98	97	585	590	595	59	58	58	0
Louisiana	178	175	173	470	495	505	84	87	87	0
Oklahoma	154	150	148	660	680	710	102	102	105	+3
Texas	359	352	355	655	700	695	235	246	247	0
Montana	46	44	42	620	650	700	29	29	29	0
Idaho	156	165	152	770	760	790	120	117	120	+3
Wyoming	19.3	18.8	18.7	650	655	660	12.5	12.3	12.3	0
Colorado	100	102	01	680	695	710	68	71	72	+1
New Mexico	38	36	36	685	695	695	26	25	25	0
Arizona	52	51	52	880	920	920	46	47	48	+2
Utah	75	76	81	810	855	860	61	65	70	+8
Nevada	13.7	13.8	13.9	840	840	845	11.5	11.6	11.7	+1
Washington	185	184	183	875	900	930	162	166	170	+2
Oregon	1113	109	110	710	745	735	80	81	81	0
California	781	775	785	950	965	1,010	742	748	793	+6
Alaska	1.7	1.7	1.8	860	895	805	1.46	1.50	1.45	-3
Hawaii	13.3	13.0	13.1	770	815	855	10.2	10.6	11.2	+6
United States	12,952	12,626	12,437	701	726	744	9,083	9,165	9,250	+0.9

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.



October 1, pasture feed condition as percentage of normal, by States

State	Average 1959-68	1969	1970	State	Average 1959-68	1969	1970
Percent				Percent			
Maine	79	89	74	N. C.	79	90	76
N. H.	79	88	79	S. C.	74	87	72
Vt.	82	89	79	Ga.	78	83	75
Mass.	73	85	79	Fla.	83	87	88
R. I.	78	91	75	Ky.	81	86	87
Conn.	73	84	70	Tenn.	79	81	85
N. Y.	75	83	87	Ala.	78	83	82
N. J.	62	80	60	Miss.	80	77	84
Pa.	67	85	88	Ark.	78	64	86
Ohio	73	87	81	La.	82	61	88
Ind.	76	88	89	Okla.	82	80	69
Ill.	79	85	88	Texas	76	72	75
Mich.	81	67	86	Mont.	80	77	88
Wis.	83	59	83	Idaho	84	84	86
Minn.	81	71	72	Wyo.	81	68	90
Iowa	87	87	87	Colo.	77	81	79
Mo.	74	80	88	N. Mex.	78	86	81
N. Dak.	72	66	74	Ariz.	83	87	86
S. Dak.	73	69	62	Utah	80	90	86
Nebr.	81	78	69	Nev.	82	91	94
Kans.	81	84	70	Wash.	80	79	75
Del.	64	89	57	Oreg.	79	85	75
Md.	64	86	65	Calif.	77	87	75
Va.	74	93	72	U. S.	78	79	81.1
W. Va.	71	89	83				

Milk-feed price ratios, milk prices, and ration value, by regions <sup>1/</sup>

Region	Milk-feed price ratio <sup>2/</sup>			All milk price per cwt.			Ration value <sup>3/</sup>		
	Sept. 1969	Aug. 1970	Sept. 1970	Sept. 1969	Aug. 1970	Sept. 1970	Sept. 1969	Aug. 1970	Sept. 1970
	Pounds			Dollars					
N. Atl.	1.76	1.69	1.68	6.40	6.32	6.51	3.64	3.75	3.88
E. N. Cent.	1.76	1.64	1.66	5.33	5.21	5.46	3.03	3.18	3.29
W. N. Cent.	1.84	1.71	1.69	4.87	4.83	4.99	2.65	2.82	2.95
S. Atl.	1.93	1.77	1.79	6.70	6.59	6.82	3.48	3.72	3.80
S. Cent.	1.86	1.74	1.78	5.16	5.95	6.20	3.31	3.42	3.49
West.	1.70	1.66	1.66	5.38	5.38	5.51	3.17	3.24	3.31
U. S.	1.80	1.68	1.70	5.68	5.57	5.79	3.16	3.31	3.41

<sup>1/</sup> Data for current month are preliminary.

<sup>2/</sup> Pounds of concentrate ration equal in value to 1 pound milk sold to plants.

<sup>3/</sup> Value per 100 pounds of concentrate ration fed to milk cows.

Grain and other concentrates fed daily per milk cow in herds  
kept by reporters, October 1, by States

State	1968	1969	1970
	----- Pounds -----		
Maine	10.7	11.3	11.3
New Hampshire	10.3	10.7	10.9
Vermont	9.3	9.7	10.0
Massachusetts	11.7	12.5	13.0
Rhode Island	11.7	12.0	12.5
Connecticut	12.7	13.0	13.0
New York	10.1	10.4	10.4
New Jersey	10.8	11.0	11.5
Pennsylvania	12.4	12.7	12.7
Ohio	11.2	11.4	12.0
Indiana	10.6	12.1	11.2
Illinois	10.1	11.2	10.8
Michigan	9.8	10.5	11.0
Wisconsin	8.3	8.7	9.3
Minnesota	8.3	9.4	10.0
Iowa	9.2	9.4	10.9
Missouri	8.3	9.5	9.9
North Dakota	7.8	8.0	9.4
South Dakota	7.8	7.6	9.3
Nebraska	7.7	8.1	8.5
Kansas	10.1	10.5	13.4
Delaware	11.2	13.0	13.9
Maryland	11.2	12.1	13.9
Virginia	9.6	10.7	9.8
West Virginia	6.7	6.4	9.0
North Carolina	10.0	10.1	10.0
South Carolina	9.7	10.2	11.2
Georgia	11.1	11.5	12.5
Florida	10.0	10.0	12.0
Kentucky	8.3	8.1	8.0
Tennessee	7.6	8.5	8.3
Alabama	8.5	9.0	10.5
Mississippi	8.5	10.0	8.9
Arkansas	9.0	10.3	9.9
Louisiana	9.0	9.2	10.7
Oklahoma	11.1	12.0	11.2
Texas	8.3	12.0	13.6
Montana	6.4	7.8	7.7
Idaho	7.5	7.8	8.3
Wyoming	6.0	7.0	6.0
Colorado	8.8	10.5	12.1
New Mexico	10.0	9.0	13.0
Arizona	9.0	11.0	12.0
Utah	8.8	9.0	8.9
Nevada	10.0	9.5	9.0
Washington	8.1	10.5	11.2
Oregon	8.7	9.9	8.8
California	12.0	12.5	14.5
United States	9.5	10.1	10.7



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