

MILK PRODUCTION

October 11, 1967

September milk output one percent less than a year earlier

September milk production in the United States is estimated at 9,173 million pounds, 1 percent less than a year earlier and 4 percent below the 5-year average for the month. On a daily basis, production was down 3 percent from August compared with a 2 percent decrease last year. September output provided 1.53 pounds of milk per person daily, compared with 1.58 pounds a year earlier. For the first 9 months of the year, production was about the same as a year earlier.

Milk production was below September 1966 in most of the North Atlantic and North Central States. Exceptions were New Hampshire, Vermont and Wisconsin where production was about the same as last September, and New York and South Dakota where increases were reported. In the South Atlantic States, increased milk production was reported for all States, except Delaware and West Virginia. In the South Central and West, production changes were mixed--ranging from 3 percent less than a year earlier in Idaho and Arkansas to 4 percent more in New Mexico and Louisiana. In these two Regions, 9 States reported smaller production than a year earlier, 6 were unchanged, and 4 reported increased production.

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	821	11,816	11,269	11,146	-1.1
July	671	736	761	10,849	10,350	10,311	-0.4
August	629	696	722	10,148	9,763	9,757	-0.1
September	592	663	680	9,522	9,263	9,173	-1.0
Jan.-Sept. total:	---	---	---	96,887	92,374	92,209	-0.2
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		

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

State	Monthly milk per cow 1/			Milk production			
	Sept. av. : 1961-65	Sept. : 1966	Sept. : 1967	Sept. av. : 1961-65	Sept. : 1966	Sept. : 1967	Change from 1966
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine	675	720	750	57	53	52	- 2
New Hampshire	685	760	770	33	30	30	0
Vermont	633	725	735	156	154	154	0
Massachusetts	737	805	815	63	59	58	- 2
Rhode Island	733	785	800	8.5	7.3	6.8	- 7
Connecticut	735	820	830	57	57	56	- 2
New York	663	710	745	802	778	800	+ 3
New Jersey	744	790	780	86	76	69	- 9
Pennsylvania	656	720	725	556	546	532	- 3
Ohio	701	755	760	426	392	382	- 3
Indiana	691	740	745	253	218	203	- 7
Illinois	650	685	730	313	262	258	- 2
Michigan	737	795	790	454	424	403	- 5
Wisconsin	605	670	685	1,287	1,325	1,330	0
Minnesota	458	505	510	578	572	556	- 3
Iowa	587	660	670	459	428	421	- 2
Missouri	528	600	620	285	249	240	- 4
North Dakota	448	495	520	111	95	87	- 8
South Dakota	445	510	530	104	107	108	+ 1
Nebraska	536	605	590	150	142	131	- 8
Kansas	528	615	620	146	138	133	- 4
Delaware	657	680	720	13.7	11.6	11.5	- 1
Maryland	650	710	740	130	127	128	+ 1
Virginia	571	635	670	163	157	160	+ 2
West Virginia	445	510	545	46	40	40	0
North Carolina	546	630	650	129	132	135	+ 2
South Carolina	471	555	580	43	42	43	+ 2
Georgia	456	560	605	81	83	86	+ 4
Florida	581	635	685	104	114	123	+ 8
Kentucky	508	595	610	235	233	230	- 1
Tennessee	474	530	540	200	196	193	- 2
Alabama	384	460	485	73	72	72	0
Mississippi	347	405	435	103	96	95	- 1
Arkansas	433	535	560	72	61	59	- 3
Louisiana	374	440	470	81	85	88	+ 4
Oklahoma	544	665	685	112	110	110	0
Texas	494	637	685	242	252	255	+ 1
Montana	501	525	565	32	28	28	0
Idaho	674	730	740	124	118	114	- 3
Wyoming	551	610	615	14.0	12.9	12.6	- 2
Colorado	614	700	715	67	69	69	0
New Mexico	557	630	640	22	24	25	+ 4
Arizona	784	850	860	40	44	44	0
Utah	703	790	800	60	60	60	0
Nevada	712	835	820	10.2	11.1	11.0	- 1
Washington	751	815	830	160	161	160	- 1
Oregon	601	650	680	85	79	80	+ 1
California	859	935	920	684	719	718	0
Alaska	737	820	840	1.89	1.56	1.51	- 3
Hawaii	749	780	835	10.7	11.4	12.0	+ 5
United States	592	663	680	9,522	9,263	9,173	- 1.0

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

September rate per cow up 3 percent from a year earlier

During September milk production per cow averaged 680 pounds, up 3 percent from a year earlier and 15 percent above the 1961-65 average. Production per cow was at a record level for the month in 45 States. Daily output per cow averaged 22.7 pounds, in September, 0.6 pound less than August but 0.6 pound above a year earlier.

By States, production per cow in September was highest in California at 920 pounds. Following were Arizona with 860 pounds; Alaska, 840 pounds; Hawaii, 835 pounds; and Connecticut and Washington, each with 830 pounds per cow during the month.

Grain feeding rate up 3 percent from year earlier

Reported grain and concentrates fed on October 1 averaged 9.0 pounds per milk cow, up 3 percent from the 8.7 pounds fed a year earlier and 25 percent above the average of 7.2 pounds. Feeding rates averaged 10 or more pounds in 16 States on October 1, compared with 14 States feeding at or above this rate a year earlier.

Dairy pastures fail to make usual seasonal improvement in September

Dairy pasture feed condition on October 1, at 77 percent of normal, was down 2 percentage points from September 1. Usually there is an increase of 3 percentage points during this period. The October 1 average equaled the 5-year average for the date and was up 1 point from a year earlier.

In the New England States, pastures continued very good through September, with adequate precipitation and above normal temperatures, especially in the last half of the month. Pastures in the Middle Atlantic States supplied above-average feed during September, although the west central area of Pennsylvania was beginning to show deterioration. The October 1 condition in New York was the same as in 1958 and the highest of record since that date.

Large areas of the East North Central States received below normal precipitation during September. Ohio's rainfall was only 50 percent of normal the first 3 weeks of the month, but good rains during the last week brought the month's total to normal. Pasture condition improved slightly during September in Ohio but all other States in the region showed declines.

Kansas was the only West North Central State with both above-normal September precipitation and October 1 pasture conditions above the 5-year average. Minnesota with the same condition as on September 1, showed the lowest average for October 1 in 33 years. North Dakota had freezing temperatures over most of the State on the 26th of the month. South Dakota pastures were drying in the southeastern portion. Both States had the lowest pasture condition for October 1 since 1959. October 1 condition was also well below the 5-year average in Iowa and Nebraska.

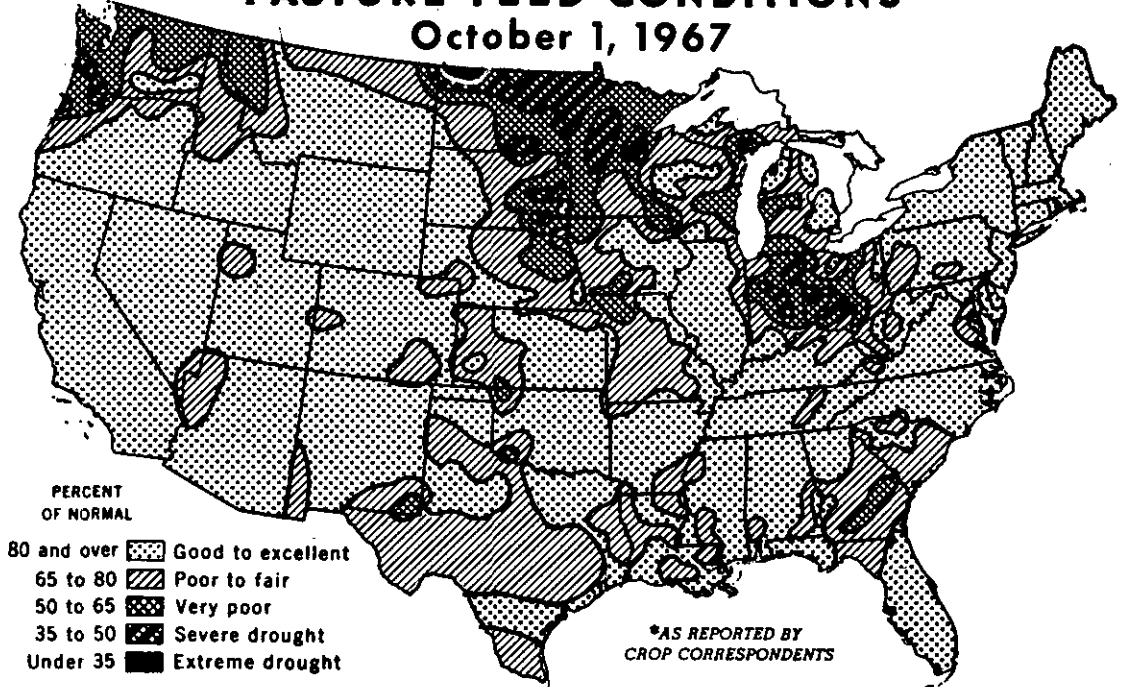
The South Atlantic States had below normal rainfall during September but in most States pastures continued good. October 1 condition was the highest for the date since 1961 or earlier in South Atlantic States from Delaware through North Carolina. However, in Georgia it was the lowest for the date since 1963.

In the South Central Region, temperatures were generally below normal during September and rainfall varied widely. Hurricane Beulah flooded many pastures in southern Texas but pastures over a broad area benefited from rains generated by the storm. Texas condition, while below last year, was greatly improved from a month earlier and was above average for October 1. Alabama and Mississippi showed declines in pasture condition from a month earlier but Alabama condition was the highest for the date since 1958. Tennessee condition was higher than in any of the last 10 years and Oklahoma was higher than in any of the last 5 years.

Temperatures in the West continued above average through September and more rainfall is needed. In Montana, good rainfall in the southeastern portion improved pasture condition. Wyoming condition for October 1 has not been exceeded in more than 40 years. By contrast condition in Washington and Oregon was the lowest for the date since 1951. Recent rains have decreased fire hazards in California, where October 1 pasture condition was the best for the date since 1935. Pastures in the other Western States remain in good condition.

PASTURE FEED CONDITIONS*

October 1, 1967



*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

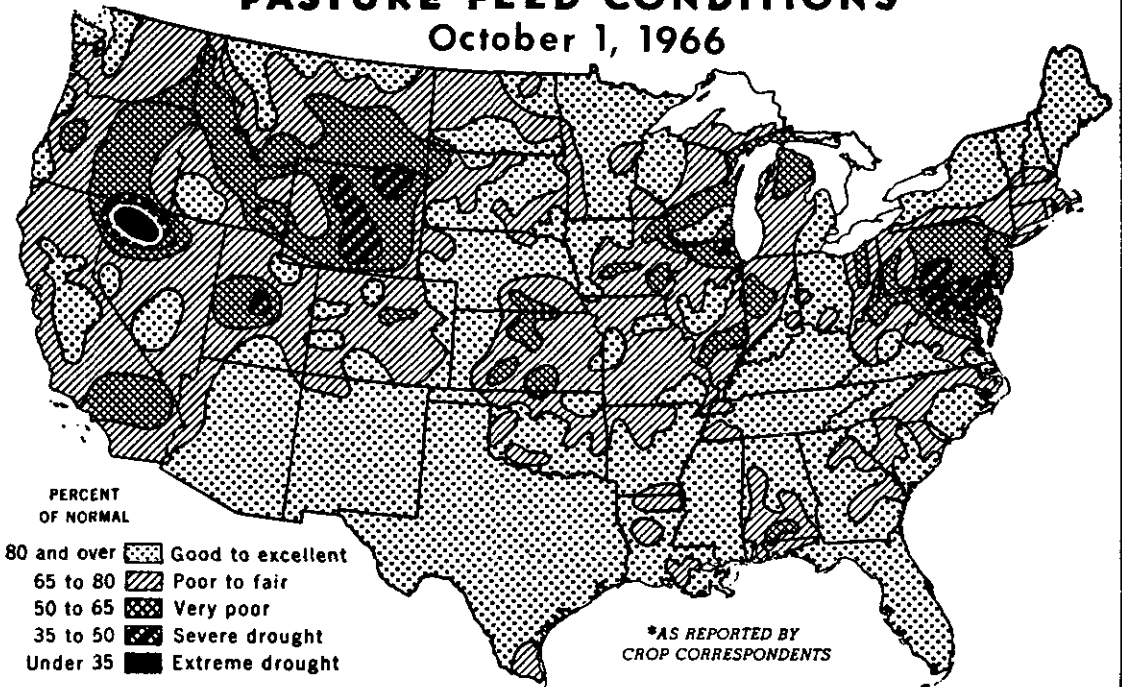
U.S. DEPARTMENT OF AGRICULTURE

NEG. SRS 209-67 (10)

STATISTICAL REPORTING SERVICE

PASTURE FEED CONDITIONS*

October 1, 1966



*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 192-66 (10)

STATISTICAL REPORTING SERVICE

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

State	Oct. 1, av. : 1961-65	Oct. 1, : 1966	Oct. 1, : 1967	State	Oct. 1, av. : 1961-65	Oct. 1, : 1966	Oct. 1, : 1967
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine	8.6	10.2	10.6	West Virginia ...	4.9	6.4	6.9
New Hampshire ..	8.1	10.3	9.6	North Carolina ..	7.7	9.4	9.0
Vermont	7.3	8.4	8.9	South Carolina ...	5.9	8.0	9.0
Massachusetts ..	9.2	11.4	11.6	Georgia	8.0	10.4	11.0
Rhode Island ...	9.8	11.6	12.0	Florida	5.5	7.0	10.0
Connecticut	9.9	11.0	12.1				
New York	8.4	9.3	9.5	Kentucky	6.0	7.0	8.0
New Jersey	7.6	11.6	10.6	Tennessee	5.9	6.6	6.1
Pennsylvania ...	10.0	11.9	11.8	Alabama	6.5	8.0	10.0
				Mississippi	4.2	6.5	7.5
Ohio	8.9	10.4	10.5	Arkansas	5.9	7.8	8.2
Indiana	8.2	9.9	10.3	Louisiana	5.6	8.5	9.0
Illinois	7.7	8.9	9.2	Oklahoma	7.6	9.5	10.0
Michigan	9.0	10.0	9.9	Texas	5.3	6.0	6.7
Wisconsin	6.7	7.6	7.7				
				Montana	4.2	5.4	6.5
Minnesota	6.5	7.9	8.2	Idaho	5.4	7.3	7.3
Iowa	7.3	8.7	8.9	Wyoming	3.8	4.3	5.3
Missouri	6.8	8.3	8.3	Colorado	6.2	8.7	9.9
North Dakota ...	6.0	7.7	7.5	New Mexico	6.2	8.4	7.5
South Dakota ...	4.7	5.3	6.6	Arizona	6.7	8.0	9.0
Nebraska	6.2	7.4	8.1	Utah	7.3	8.9	9.2
Kansas	7.1	9.2	9.7	Nevada	7.3	10.2	11.0
				Washington	6.9	8.1	7.2
Delaware	9.6	11.2	11.9	Oregon	5.6	6.6	7.8
Maryland	9.9	11.0	11.2	California	8.5	11.0	11.0
Virginia	8.2	9.0	9.3	United States ...	7.2	8.7	9.0

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

State and division	Oct. 1, av. : 1961-65	Oct. 1, : 1966	Oct. 1, : 1967	State and division	Oct. 1, av. : 1961-65	Oct. 1, : 1966	Oct. 1, : 1967
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	77	80	92	N. C.	79	82	89
N. H.	72	82	91	S. C.	74	78	78
Vt.	80	85	91	Ga.	78	80	77
Mass.	67	71	84	Fla.	84	85	82
R. I.	77	79	90	S. Atl.	72	74	85
Conn.	67	65	88	Ky.	78	90	85
N. Y.	69	82	90	Tenn.	77	86	88
N. J.	57	56	81	Ala.	75	81	86
Pa.	61	60	84	Miss.	78	83	84
N. Atl.	66	69	86	Ark.	75	82	86
Ohio	72	82	72	La.	82	84	80
Ind.	76	73	65	Okla.	79	82	87
Ill.	77	72	89	Tex.	70	91	76
Mich.	80	74	73	S. Cent.	75	86	83
Wis.	83	71	73	Mont.	83	69	79
E. N. Cent. ...	79	74	74	Idaho	86	73	83
Minn.	83	79	60	Wyo.	83	70	97
Iowa	90	75	76	Colo.	79	77	89
Mo.	76	73	75	N. Mex.	75	91	82
N. Dak.	76	77	53	Ariz.	82	86	90
S. Dak.	76	78	63	Utah	81	73	92
Nebr.	85	84	75	Nev.	86	73	93
Kans.	82	73	83	Wash.	84	80	56
W. N. Cent. ...	83	77	70	Oreg.	80	70	67
Del.	59	44	90	Calif.	77	73	87
Md.	56	52	86	West.	80	75	79
Va.	70	80	90				
W. Va.	68	69	82	U. S.	77	76	77

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 up 4 percent from a month earlier

The September milk-feed price ratio, at 1.66 was 4 percent above a month earlier, 2 percent more than a year earlier and 15 percent above the 5-year average. The September 1967 ratio replaced the September 1966 average as the highest ratio of record for the month. In September, wholesale milk prices averaged \$5.17 per hundred-weight compared with \$5.28 a year earlier and the value of concentrate ration averaged \$3.11 per hundredweight compared with \$3.25 a year earlier. The milkfat-feed price ratio was 25.0 in September, compared with 24.8 a month earlier and 25.8 a year earlier.

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

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Sept. av.:	Sept.:	Aug.:	Sept.:	Sept. av.:	Sept.:	Aug.:	Sept.:
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	4.93	5.71	5.75	5.89	3.55	3.74	3.69	3.65
E. N. Cent.	3.87	5.02	4.63	4.83	2.78	3.08	2.88	2.87
W. N. Cent.	3.59	4.63	4.19	4.35	2.42	2.78	2.56	2.56
S. Atl.	5.46	6.24	6.00	6.15	3.34	3.59	3.52	3.42
S. Cent.	4.70	5.79	5.33	5.66	3.09	3.32	3.32	3.28
West.	4.38	5.10	4.82	4.92	3.16	3.28	3.36	3.31
U. S.								
Milk areas.....	4.32	5.28	4.98	5.17	2.99	3.25	3.14	3.11
Cream areas.....	-	-	-	-	2.51	2.84	2.65	2.64
Milk and cream areas.....	-	-	-	-	2.97	3.24	3.13	3.10

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

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Sept. av.:	Sept.:	Aug.:	Sept.:	Sept. av.:	Sept.:	Aug.:	Sept.:
	1961-65	1966	1967	1967	1961-65	1966	1967	1967
N. Atl.	1.39	1.53	1.56	1.61	-	-	-	-
E. N. Cent.	1.39	1.63	1.61	1.68	20.4	21.7	20.8	21.0
W. N. Cent.	1.49	1.67	1.64	1.70	25.6	27.1	26.3	26.3
S. Atl.	1.64	1.74	1.70	1.80	-	-	-	-
S. Cent.	1.52	1.74	1.61	1.73	17.2	20.1	16.1	16.4
West.	1.38	1.55	1.43	1.49	18.6	20.6	19.0	19.2
U. S.	1.44	1.62	1.59	1.66	24.2	25.8	24.8	25.0

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.



UNITED STATES DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
WASHINGTON, D. C. 20250

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

OFFICIAL BUSINESS