

MILK PRODUCTION

October 12, 1965

SUMMARY

Milk production in the United States during September is estimated at 9,443 million pounds, 2 percent less than a year earlier and slightly below the 1959-63 average for the month. Average daily production declined 4 percent from August to September, compared with a decline of 2 percent in 1964. Relative to population, September milk production averaged 1.61 pounds per person daily, down 4 percent from 1.67 pounds per person in September 1964. Cold, wet weather in September limited milk output per cow to 610 pounds, 1 percent above a year earlier.

Pasture feed was unusually plentiful during September in most of the Nation. Reported condition of dairy pastures as percent of normal averaged 84 percent on October 1. This is 6 points above the 1959-63 average for the date and the highest October 1 condition since 1958. Although abundant pasture feed was available during September, unusually cold weather and frequent heavy rains limited grazing in the North Central States.

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	756	11,857	11,820	11,773	-0.4
July.....	629	678	701	10,869	10,874	10,888	+0.1
August.....	586	639	655	10,107	10,235	10,151	-0.8
September.....	552	603	610	9,490	9,636	9,443	-2.0
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		

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

State	Monthly milk per cow ^{1/}			Milk production			
	Sept. av. 1959-63 ^{2/}	Sept. 1964	Sept. 1965	Sept. av. 1959-63 ^{2/}	Sept. 1964	Sept. 1965	Change from 1964
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	745	760	-	65	63	- 3
New Hampshire.....	-	645	675	-	28	28	0
Vermont.....	-	645	670	-	154	157	+ 2
Massachusetts.....	-	785	800	-	64	63	- 2
Rhode Island.....	-	760	785	-	8.2	8.1	- 1
Connecticut.....	-	785	810	-	58	58	0
New York.....	625	671	684	775	803	798	- 1
New Jersey.....	721	755	785	91	83	83	0
Pennsylvania.....	621	665	690	541	543	542	0
Ohio.....	644	713	740	425	423	417	- 1
Indiana.....	639	730	750	267	280	273	- 2
Illinois.....	606	655	690	331	309	307	- 1
Michigan.....	686	750	750	437	464	453	- 2
Wisconsin.....	589	620	620	1,260	1,311	1,296	- 1
Minnesota.....	431	483	465	547	611	581	- 5
Iowa.....	526	585	550	438	455	410	-10
Missouri.....	471	514	495	303	292	265	- 9
North Dakota.....	437	485	452	118	117	103	-12
South Dakota.....	424	450	450	103	105	101	- 4
Nebraska.....	472	500	480	147	138	126	- 9
Kansas.....	465	510	495	150	144	133	- 8
Delaware.....	-	625	645	-	14.4	14.2	- 1
Maryland.....	607	650	650	131	134	131	- 2
Virginia.....	547	565	590	178	163	163	0
West Virginia.....	429	440	450	53	47	45	- 4
North Carolina.....	511	560	585	135	134	135	+ 1
South Carolina.....	423	455	485	45	42	42	0
Georgia.....	410	455	500	85	81	84	+ 4
Florida.....	544	595	615	101	105	111	+ 6
Kentucky.....	475	520	540	235	235	238	+ 1
Tennessee.....	429	455	455	209	207	201	- 3
Alabama.....	349	392	410	81	79	80	+ 1
Mississippi.....	318	355	385	109	100	102	+ 2
Arkansas.....	378	405	440	79	70	73	+ 4
Louisiana.....	-	395	425	-	83	86	+ 4
Oklahoma.....	483	545	570	115	107	108	+ 1
Texas.....	429	508	534	237	245	245	0
Montana.....	462	470	485	35	32	32	0
Idaho.....	647	645	650	128	119	114	- 4
Wyoming.....	520	575	590	15.0	15.1	15.0	- 1
Colorado.....	556	630	645	66	68	67	- 1
New Mexico.....	-	575	580	-	23	23	0
Arizona.....	-	810	865	-	43	45	+ 5
Utah.....	643	690	705	60	59	60	+ 2
Nevada.....	645	740	810	9.6	10.7	11.0	+ 3
Washington.....	696	755	785	160	164	166	+ 1
Oregon.....	577	590	585	89	80	75	- 6
California.....	820	895	890	666	707	697	- 1
Alaska.....	-	770	815	-	1.92	1.87	- 3
Hawaii.....	-	785	825	-	11.3	12.4	+10
United States.....	552	603	610	9,490	9,636	9,443	- 2.0

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

^{2/} Five-year averages not available for States where not shown.

Milk production down 2 percent from September 1964

Milk production in the United States during September is estimated at 9,443 million pounds, 2 percent less than a year earlier and slightly below the 1959-63 average for the month. Average daily production declined 4 percent from August to September, compared with a decline of 2 percent in 1964. Relative to population, September milk production averaged 1.61 pounds per person daily, down 4 percent from 1.67 pounds per person in September last year.

The sharpest declines in September milk production from a year earlier occurred in the West North Central Region, where output was off 4 percent or more in each State. In this region, unusually cold weather and frequent heavy rains in September were unfavorable for milk production. September milk production was below a year earlier in all of the 10 leading States except Pennsylvania, where it was equal to September a year ago.

Weather limits gain in September output per cow

September milk flow averaged 610 pounds per cow for the United States. This is 1 percent above the 603-pound output for September a year ago and the smallest year-to-year gain on a daily basis for any month since February 1963. The daily average for September was 20.3 pounds per cow, down 4 percent from August compared with a 2 percent decline last year. Production per cow was at a record high level for September in 40 States. However, the rate was down sharply from a year earlier in all West North Central States except South Dakota. The low rate per cow was associated with cold, wet weather which limited utilization of pasture, caused muddy barnyards and interfered with daily chopping of green feed on many dairy farms.

California led all States in September production per cow with 890 pounds. Arizona followed with 865 pounds, Hawaii with 825, Alaska with 815, and Connecticut and Nevada each with 810 pounds.

Grain fed per cow up 7 percent

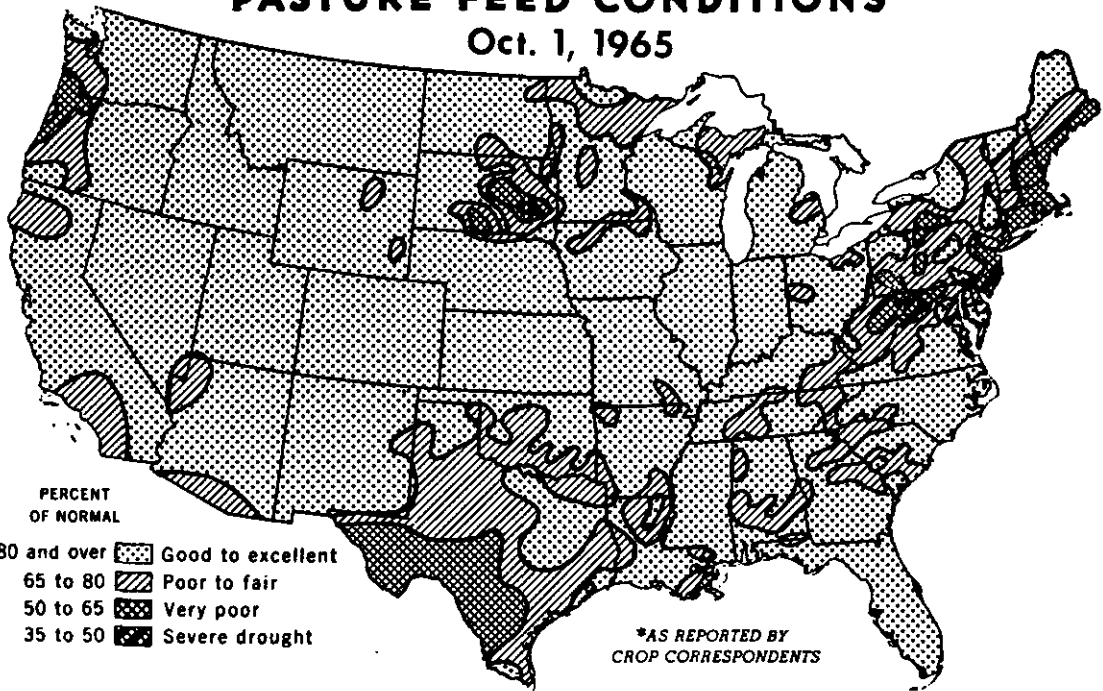
Feeding of grain and concentrates continued above a year earlier with an October 1 rate of 8.1 pounds per cow. The October 1 rate was up 7 percent from a year earlier and compares with 7.8 pounds for August 1 and 6.4 pounds, the average for October 1. Feeding rates averaged 10 or more pounds daily in 9 States on October 1 compared with only 6 States a year earlier.

Milk-feed price ratio up 1 percent

The September milk-feed price ratio at 1.45 was 1 percent more than the 1.43 for September last year but was below the 1959-63 average of 1.47. Seasonally, the price ratio was up 6 percent from August, which is about the average change. With feed values relatively unchanged, the principal cause of the more favorable ratio was wholesale milk prices which increased from both last year and a month earlier. In cream-selling areas, the milkfat-feed price ratio was 23.2 for September compared with 23.5 a year earlier and 24.8, the 5-year average.

PASTURE FEED CONDITIONS*

Oct. 1, 1965



PERCENT
OF NORMAL

- 80 and over Good to excellent
- 65 to 80 Poor to fair
- 50 to 65 Very poor
- 35 to 50 Severe drought

*AS REPORTED BY
CROP CORRESPONDENTS

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

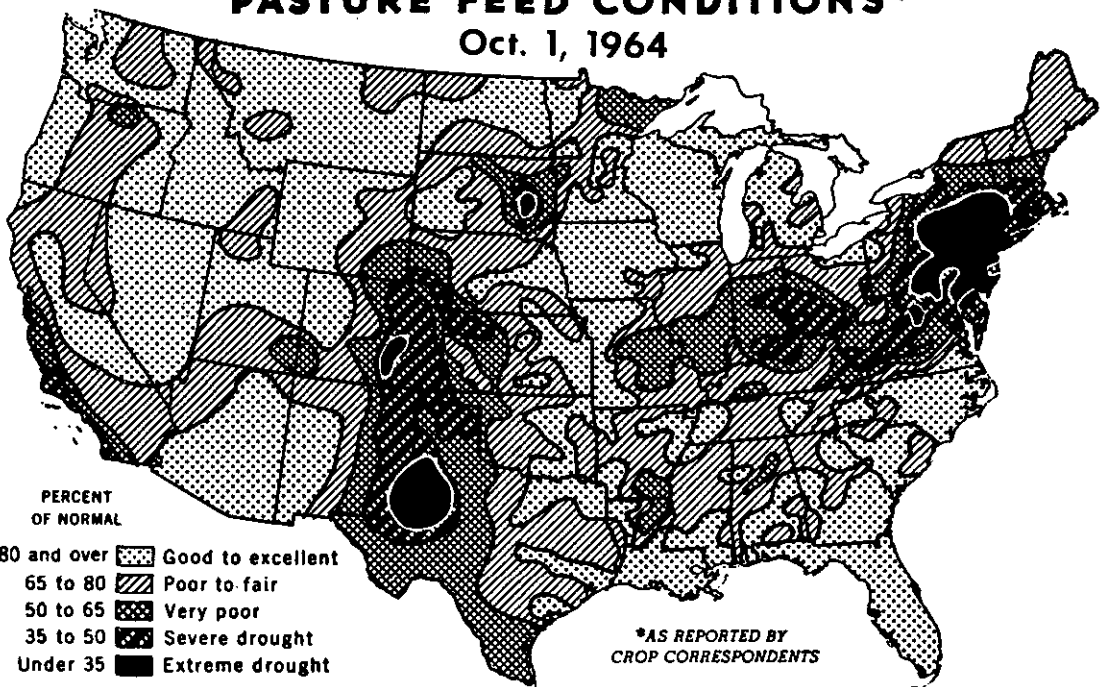
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- 80 and over Good to excellent
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- 35 to 50 Severe drought
- Under 35 Extreme drought

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U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 99-64 (10)

STATISTICAL REPORTING SERVICE

October 1 pasture condition highest since 1958

Pasture feed was unusually plentiful by the end of September in most of the Nation. The reported condition of dairy pastures averaged 84 percent of normal on October 1. This is 6 points above the 1959-63 average for the date and the highest October 1 condition since 1958. Reported condition of dairy pastures gained 9 points during September this year, compared with the average increase of 1 point during the month.

Pastures in the Northeast continued to improve in response to near-normal rainfall in most areas from late August through September. However, reported October 1 condition was still well below average for the date in all New England States except Vermont; also in New Jersey. After marked improvement during September, pasture condition in New York and Pennsylvania was reported above average for October 1. In these States, pasture feed will be fully utilized through October to conserve short supplies of hay for winter feeding.

September rainfall was much heavier than normal in the North Central States. Abundant pasture feed was available, although grazing was limited by cold weather in northern areas and many muddy and flooded pastures. In Ohio and Michigan, pastures made rapid recovery in September from drought damage earlier in the summer. However, pastures continued poor in eastern South Dakota, where unusually cold weather in September slowed growth.

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Table 3.-Dairy pasture feed condition, as percentage of normal, October 1, 1965 with comparisons ^{1/}

State and division	Oct. 1, av. 1959-63	Oct. 1, 1964	Oct. 1, 1965	State and division	Oct. 1, av. 1959-63	Oct. 1, 1964	Oct. 1, 1965
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	82	71	68	N. C.	79	85	86
N. H.	83	60	67	S. C.	74	83	77
Vt.	83	69	83	Ga.	78	80	82
Mass.	80	45	67	Fla.	83	86	86
R. I.	84	72	60	S. Atl. ..	74	67	78
Conn.	81	50	56	Ky.	81	57	89
N. Y.	73	43	79	Tenn.	79	76	81
N. J.	72	28	55	Ala.	76	76	83
Pa.	65	45	74	Miss.	78	76	86
N. Atl.	71	46	74	Ark.	74	73	86
Ohio.....	69	57	89	La.	81	82	83
Ind.	75	58	95	Okla.	81	75	81
Ill.	76	66	94	Tex.	75	64	71
Mich.	81	81	84	S. Cent. .	78	70	81
Wis.	85	84	89	Mont.	76	85	95
E. N. Cent. .	79	73	90	Idaho.....	84	83	89
Minn.	84	80	82	Wyo.	77	77	89
Iowa.....	91	90	90	Colo.	77	54	93
Mo.	68	74	91	N. Mex.	80	55	83
N. Dak.	68	78	87	Ariz.	80	86	82
S. Dak.	75	65	73	Utah.....	75	78	90
Nebr.	83	74	91	Nev.	78	87	93
Kans.	83	71	90	Wash.	80	90	83
W. N. Cent. .	82	78	86	Oreg.	83	82	71
Del.	70	40	72	Calif.	75	70	83
Md.	65	37	70	West.	78	75	84
Va.	72	60	82	U. S.	78	71	84
W. Va.	72	56	64				

^{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 4.-Grain and other concentrates fed daily per milk cow in herds kept by reporters, October 1, 1965, with comparisons

State	Oct. 1, av. 1959-63	Oct. 1, 1964	Oct. 1, 1965	State	Oct. 1, av. 1959-63	Oct. 1, 1964	Oct. 1, 1965
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
Maine.....	7.5	8.6	9.8	West Virginia.....	4.4	5.0	6.2
New Hampshire...	7.3	8.3	9.0	North Carolina....	6.8	8.4	8.5
Vermont.....	6.5	7.3	8.2	South Carolina....	5.3	5.8	7.2
Massachusetts...	7.9	10.0	10.4	Georgia.....	6.5	9.8	10.0
Rhode Island....	8.8	9.5	11.4	Florida.....	4.4	6.8	7.0
Connecticut.....	8.5	10.3	11.4	Kentucky.....	5.4	6.5	6.5
New York.....	7.7	9.1	9.0	Tennessee.....	5.2	6.4	6.4
New Jersey.....	8.6	10.4	10.4	Alabama.....	5.4	7.0	7.0
Pennsylvania....	8.8	10.6	11.2	Mississippi.....	3.8	3.8	5.5
Ohio.....	7.9	9.5	9.8	Arkansas.....	5.0	6.2	7.7
Indiana.....	7.3	9.0	8.7	Louisiana.....	4.5	6.0	7.6
Illinois.....	6.9	8.2	8.0	Oklahoma.....	6.7	8.5	8.0
Michigan.....	7.9	9.2	9.6	Texas.....	5.0	5.5	5.5
Wisconsin.....	6.0	6.7	7.4	Montana.....	4.1	4.1	4.3
Minnesota.....	5.4	7.6	7.5	Idaho.....	4.8	5.8	6.2
Iowa.....	6.6	7.2	8.3	Wyoming.....	3.9	3.6	4.1
Missouri.....	6.3	7.3	7.5	Colorado.....	5.9	6.1	7.1
North Dakota....	5.2	6.8	6.6	New Mexico.....	5.3	7.0	7.0
South Dakota....	4.2	5.0	5.3	Arizona.....	6.0	6.3	7.4
Nebraska.....	5.8	6.0	6.7	Utah.....	6.1	8.0	8.5
Kansas.....	6.7	6.9	7.6	Nevada.....	5.8	7.5	9.5
Delaware.....	8.5	10.8	10.0	Washington.....	6.5	7.1	7.3
Maryland.....	8.7	10.7	11.3	Oregon.....	5.2	6.0	6.0
Virginia.....	7.3	9.3	8.8	California.....	7.4	9.0	11.0
				United States.....	6.4	7.6	8.1

Table 5.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, September 1965, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Sept. av. 1959-63	Sept. 1964	Aug. 1965	Sept. 1965	Sept. av. 1959-63	Sept. 1964	Aug. 1965	Sept. 1965
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	5.04	4.93	4.79	4.99	3.52	3.56	3.57	3.55
E. N. Cent. ..	3.84	3.88	3.76	3.94	2.72	2.83	2.84	2.84
W. N. Cent. ..	3.57	3.60	3.50	3.66	2.32	2.46	2.53	2.53
S. Atl.	5.43	5.51	5.25	5.48	3.34	3.34	3.38	3.34
S. Cent.	4.66	4.73	4.50	4.77	3.05	3.10	3.15	3.12
West.	4.39	4.41	4.27	4.45	3.16	3.18	3.18	3.16
U. S.								
Milk areas....	4.33	4.33	4.18	4.38	2.95	3.02	3.05	3.03
Cream areas...	-	-	-	-	2.44	2.53	2.60	2.60
Milk and cream areas.....	-	-	-	-	2.92	3.01	3.03	3.02

Table 6.-Milk-feed and milkfat-feed price ratios, by regions, September 1965, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Sept. av. 1959-63	Sept. 1964	Aug. 1965	Sept. 1965	Sept. av. 1959-63	Sept. 1964	Aug. 1965	Sept. 1965
N. Atl.	1.43	1.38	1.34	1.41	-	-	-	-
E. N. Cent. ..	1.41	1.37	1.31	1.39	20.6	19.9	19.8	20.2
W. N. Cent. ..	1.54	1.46	1.38	1.45	26.7	24.5	24.1	24.2
S. Atl.	1.63	1.65	1.55	1.64	-	-	-	-
S. Cent.	1.53	1.53	1.43	1.53	17.0	17.1	16.4	16.8
West.	1.39	1.39	1.34	1.41	18.6	18.2	18.3	18.5
U. S.	1.47	1.43	1.37	1.45	24.8	23.5	23.0	23.2

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.

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In the South Atlantic Region, October 1 pasture condition was above average for the date in all States except West Virginia. An area of poor pastures also persists in northern Virginia and western Maryland. Some of the dry areas of Georgia and South Carolina received heavy rains in early October.

Pasture condition improved during September in most South Central States and was above average by October 1 for all States except Oklahoma and Texas. September rainfall was very heavy in most of the South Central Region except for western Texas. After heavy rains in early September, Kentucky pasture condition gained 21 points during the month. Ample soil moisture in South Central areas is favorable for a good start of fall plantings for winter pasture.

Pasture feed continued abundant in the Mountain States during September, although growth was slowed by freezing weather in northern areas. Pastures are very short in western dairy areas of Oregon and Washington. Large areas of California received no measurable rain during September. However, with cool temperatures, dryland pastures continued in fair to good condition.

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