

# MILK PRODUCTION

July 13, 1964

## SUMMARY

June milk production in the United States is estimated at 11,763 million pounds, about 1 percent below both June 1963 and the 5-year average for the month. For the first half of the year, milk output was 1 percent above the corresponding period of 1963. Daily average production during June was down 2 percent from May compared with a 1 percent decline in 1963. June milk production amounted to 2.04 pounds per person daily compared with 2.09 pounds a year earlier. Milk production per cow averaged 733 pounds during June, 2.5 percent more than in June last year and 9 percent above the average for the month.

Condition of dairy pastures was reported at 78 percent of normal on July 1, down 6 points from June 1. July 1 condition was slightly poorer than a year earlier when the average was 79 percent, and was 8 points below the 1958-62 average for the date. Regionally, the West was the only area where dairy pasture condition improved during June. Rainfall was below normal during June in much of the country and above-normal temperatures contributed to the damage to pastures in eastern areas.

Table 1.-Milk per cow and milk production by months, United States, 1964, with comparisons

Month	Milk per cow			Milk production			
	Average 1958-62	1963	1964	Average 1958-62	1963	1964	Change from 1963
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
January.....	549	599	620	9,867	10,065	10,066	0
February.....	526	565	608	9,421	9,470	9,842	+3.9
March.....	603	651	681	10,778	10,879	11,007	+1.2
April.....	622	672	704	11,088	11,196	11,346	+1.3
May.....	694	742	767	12,331	12,315	12,330	+0.1
June.....	671	715	733	11,901	11,841	11,763	-0.7
July.....	617	658		10,913	10,861		
August.....	573	615		10,114	10,130		
September.....	536	582		9,450	9,558		
October.....	540	584		9,489	9,557		
November.....	516	564		9,054	9,205		
December.....	547	596		9,580	9,706		
Annual.....	6,995	7,545		123,986	124,783		

Table 2.-Monthly milk per cow and milk production  
June 1964, with comparisons

State	Monthly milk per cow <sup>1/</sup>			Milk production			
	June Av. 1958-62 <sup>2/</sup>	June 1963	June 1964	June av. 1958-62 <sup>2/</sup>	June 1963	June 1964	Change from 1963
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	810	840	-	73	74	+ 1
New Hampshire.....	-	775	800	-	39	38	- 3
Vermont.....	-	785	790	-	199	197	- 1
Massachusetts.....	-	800	815	-	70	68	- 3
Rhode Island.....	-	805	815	-	9.7	9.5	- 2
Connecticut.....	-	785	790	-	60	59	- 2
New York.....	793	849	870	994	1,032	1,040	+ 1
New Jersey.....	763	830	835	99	97	95	- 2
Pennsylvania.....	704	760	775	622	646	636	- 2
Ohio.....	715	781	810	490	490	488	0
Indiana.....	720	790	810	315	314	313	0
Illinois.....	712	800	800	417	404	384	- 5
Michigan.....	772	815	845	501	511	523	+ 2
Wisconsin.....	841	870	875	1,816	1,850	1,842	0
Minnesota.....	789	800	820	1,011	1,012	1,027	+ 1
Iowa.....	711	735	760	613	582	576	- 1
Missouri.....	571	605	620	381	369	359	- 3
North Dakota.....	677	700	706	191	179	173	- 3
South Dakota.....	597	590	600	151	136	134	- 1
Nebraska.....	619	615	625	204	176	170	- 3
Kansas.....	524	540	550	178	164	161	- 2
Delaware.....	-	650	660	-	15.6	15.2	- 3
Maryland.....	594	620	620	130	131	129	- 2
Virginia.....	546	555	565	183	171	170	- 1
West Virginia.....	485	496	484	64	56	52	- 7
North Carolina.....	503	535	545	137	134	134	0
South Carolina.....	385	415	445	43	42	41	- 2
Georgia.....	403	430	450	89	83	82	- 1
Florida.....	527	600	630	99	106	111	+ 5
Kentucky.....	498	560	580	253	269	270	0
Tennessee.....	448	480	470	224	229	215	- 6
Alabama.....	364	389	400	91	84	82	- 2
Mississippi.....	330	350	360	123	107	102	- 5
Arkansas.....	419	450	470	95	86	81	- 6
Louisiana.....	-	320	350	-	70	74	+ 6
Oklahoma.....	518	575	585	135	124	118	- 5
Texas.....	441	477	500	259	248	248	0
Montana.....	605	630	630	48	44	42	- 5
Idaho.....	784	816	810	158	157	154	- 2
Wyoming.....	654	708	700	20.0	18.4	17.8	- 3
Colorado.....	623	660	690	78	74	72	- 3
New Mexico.....	-	600	610	-	24	25	+ 4
Arizona.....	-	820	850	-	42	43	+ 2
Utah.....	714	730	730	68	66	64	- 3
Nevada.....	652	705	785	9.8	10.6	11.0	+ 4
Washington.....	813	860	905	191	193	195	+ 1
Oregon.....	746	755	770	120	109	107	- 2
California.....	854	908	935	699	723	729	+ 1
Alaska.....	-	770	805	-	2.0	2.1	+ 5
Hawaii.....	-	715	800	-	10.0	10.8	+ 8
United States.....	671	715	733	11,901	11,841	11,763	- 0.7

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

<sup>2/</sup> Five-year averages not available for States where not shown.

### June milk production 1 percent below a year ago

June milk production in the United States is estimated at 11,763 million pounds, about 1 percent below both June 1963 and the 5-year average for the month. Production was above a year earlier for each month of 1964 through May. For the first half of the year, milk output was 1 percent above the corresponding period of 1963. Daily average production during June was down 2 percent from May compared with a 1 percent decline in 1963. Production amounted to 2.04 pounds per person daily compared with 2.09 pounds in June last year.

June milk production was below a year earlier in 34 States. Exceptions to the general decrease were several important dairy States -- New York, Michigan, Minnesota, and California, which had small gains over June a year ago. New record highs in June production were set in 7 States -- Florida, Louisiana, New Mexico, Arizona, Nevada, California, and Hawaii. Production dropped to new record lows for the month in 19 States.

### Milk output per cow slowed during June

Milk production per cow averaged 733 pounds during June. The gain of 2.5 percent over June 1963 was less than gains over a year earlier for previous months of 1964. Average daily output of 24.4 pounds per cow in June was down about 1 percent from May -- a slightly larger seasonal decline than in 1963. New record highs in June production per cow were set in 37 States. The 5 leading States in June rate per cow were California, Washington, Wisconsin, New York, and Arizona.

### Milk-feed price ratio up 2 percent from June 1963

The June milk-feed price ratio, at 1.26, was 2 percent above June last year but 2 percent under the June 1958-62 average. The more favorable ratio in June resulted from lower feed prices than a year earlier. The June ratio was unchanged from May compared with a 2 percent seasonal decline last year and the average decline of 1 percent. In cream-selling areas, the milkfat-feed price ratio in June was 23.3, compared with 22.9 a year earlier and the 5-year June average of 24.3.

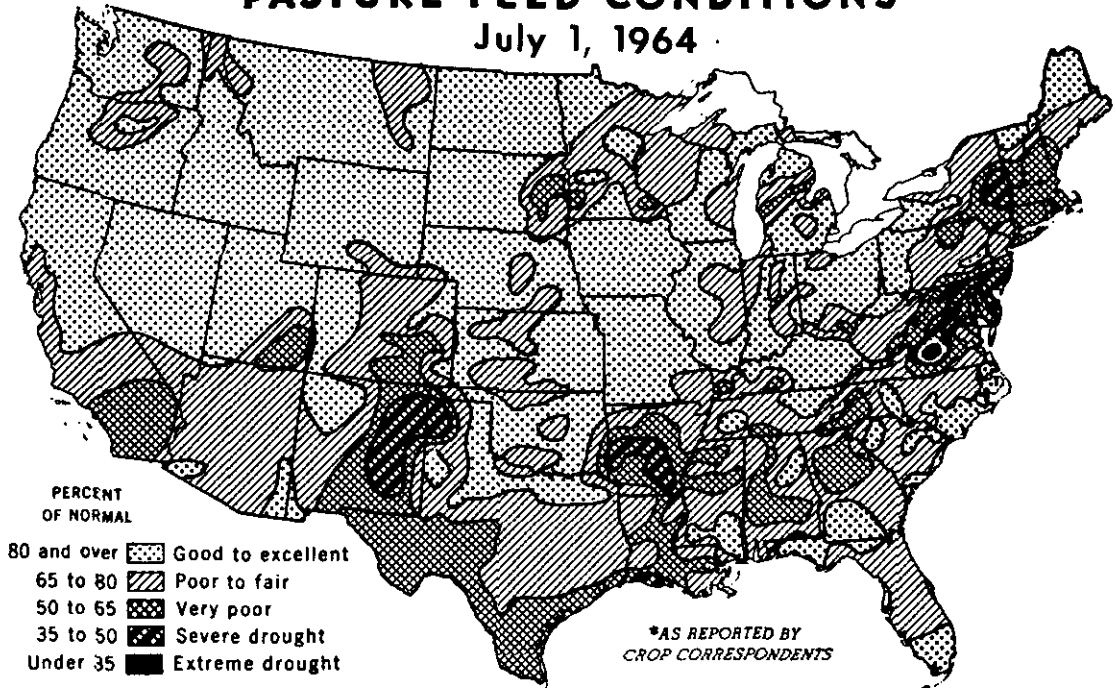
### Sharp decline in dairy pastures during June

Pasture feed condition in the United States on July 1 was generally poorer than a month earlier. Condition of dairy pastures was reported at 78 percent of normal on July 1 compared with 84 percent on June 1. July 1 condition of dairy pastures was slightly poorer than a year earlier, when the average was 79 percent, and was 8 points below the average for the date. Regionally, the West was the only area where dairy pasture feed condition improved during June. June temperatures averaged above normal in the eastern half of the Nation, generally retarding pasture development. Precipitation in June was below normal in much of the country. However, above normal amounts were received in the tri-State area of Ohio, Pennsylvania, and West Virginia, much of Nebraska, Iowa, Kansas, and Missouri, and an area north of a line from southern Nevada to northern Minnesota.

Pasture feed condition for the eastern seaboard States dropped sharply during June except in South Carolina and Florida. Pasture condition reported July 1 was below the 5-year average in all Atlantic States, also below last year except in New Jersey and Virginia. In the North Atlantic area, July 1 pasture condition by

## PASTURE FEED CONDITIONS\*

July 1, 1964



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
- Under 35 Extreme drought

\*AS REPORTED BY  
CROP CORRESPONDENTS

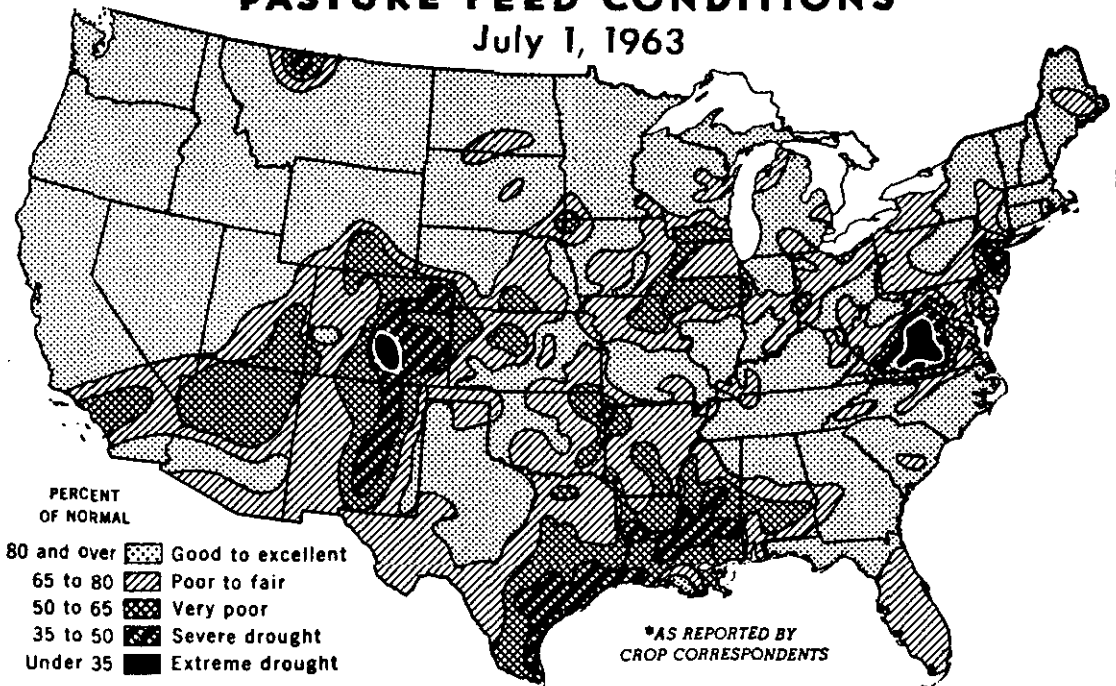
\*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

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- 80 and over Good to excellent
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States ranged from 8 to 34 percentage points below average, and in the South Atlantic area, ranged from 1 to 32 percentage points below average. Drought conditions had developed by July 1 in central Virginia and extended into Maryland, Delaware, and New Jersey. July 1 pasture condition was the lowest since 1925 in Delaware and since 1936 in Maryland. In 1963, drought developed in this same area about 2 months earlier. This year's pastures had provided near normal grazing until early June, but on July 1 farmers reported feeding hay and silage in the drier areas. General rains over the drier areas will be necessary for pastures to provide adequate summer feed for livestock.

July 1 pasture conditions were below average in all South Central States, also below a month earlier except in Oklahoma and Texas where pastures improved during June. In most South Central areas, June rainfall was insufficient to maintain pasture growth and above normal temperatures caused rapid deterioration in pastures. In Kentucky, supplemental feeding of hay was necessary in the driest areas; in Arkansas cattle were reported losing weight as pasture condition declined 17 percentage points from June 1. In Alabama, Tennessee, Mississippi, and Louisiana, the July 1 reported condition was 11 or more percentage points below a month earlier.

Pasture feed condition deteriorated rapidly during June, particularly in Michigan, Wisconsin, Minnesota, and South Dakota. The decline in reported condition ranged from 12 points in South Dakota to 20 points in Wisconsin. By contrast, above normal rainfall and below normal temperatures favored pasture development in Missouri, North Dakota, Nebraska, and Kansas. Kansas showed the

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Table 3.-Dairy pasture feed condition, as percentage of normal, July 1, 1964, with comparisons <sup>1/</sup>

State and division	July 1, av. 1958-62	July 1, 1963	July 1, 1964	State and division	July 1, av. 1958-62	July 1, 1963	July 1, 1964
	Percent	Percent	Percent		Percent	Percent	Percent
Me. ....	90	83	73	N. C. ....	84	84	72
N. H. ....	90	82	58	S. C. ....	76	86	75
Vt. ....	90	88	74	Ga. ....	80	89	68
Mass. ....	89	84	55	Fla. ....	84	84	73
R. I. ....	90	83	63	S. Atl. ..	84	75	67
Conn. ....	89	80	64	Ky. ....	90	87	79
N. Y. ....	86	79	70	Tenn. ....	85	87	72
N. J. ....	76	51	55	Ala. ....	81	76	68
Pa. ....	82	76	74	Miss. ....	81	60	69
N. Atl. ....	85	78	69	Ark. ....	83	70	62
Ohio.....	87	74	85	La. ....	78	55	64
Ind. ....	91	79	83	Okla. ....	89	73	82
Ill. ....	89	72	81	Tex. ....	80	66	68
Mich. ....	86	84	81	S. Cent. .	84	73	72
Wis. ....	87	81	76	Mont. ....	77	92	93
E. N. Cent. .	88	79	80	Idaho.....	89	98	93
Minn. ....	87	88	78	Wyo. ....	82	85	88
Iowa.....	93	74	92	Colo. ....	85	49	74
Mo. ....	86	76	86	N. Mex. ....	74	64	56
N. Dak. ....	71	90	86	Ariz. ....	83	78	79
S. Dak. ....	82	84	74	Utah.....	77	83	90
Nebr. ....	92	76	84	Nev. ....	80	93	94
Kans. ....	90	74	83	Wash. ....	89	91	89
W. N. Cent. .	87	80	84	Oreg. ....	92	93	88
Del. ....	81	66	49	Calif. ....	79	89	79
Md. ....	84	72	56	West. ....	83	86	84
Va. ....	88	52	61	U. S. ....	86	79	78
W. Va. ....	87	75	74				

<sup>1/</sup> Indicates current supply of feed for grazing relative to that expected from existing stands under very favorable weather conditions. U. S. averages differ from those published in Crop Production in that States are combined with dairy rather than all livestock weights.

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most improvement in pasture condition from June 1 when pastures were rated very poor. North Dakota was the only State in the North Central area where July 1 pasture condition was above the 5-year average for the date.

Below normal temperatures and above normal rainfall during June in Idaho, Montana, Utah, Nevada, and Wyoming favored pasture development. Except for Arizona, July 1 pasture condition in each of the Western States was above June 1. Scattered showers in Arizona were not sufficient to maintain spring growth and irrigation water was short in some areas. Pastures in Colorado improved rapidly during June; the July 1 condition was rated 19 percentage points better than on June 1. In New Mexico, pastures improved somewhat as a result of early June showers on the east side of the State, but very little rainfall was received after mid-month and most dryland pastures were again deteriorating at the end of the month. Irrigated pastures were in generally good condition over most of California, but non-irrigated pastures were in only poor to fair condition. In Washington, pastures west of the Cascades made good progress during June. East of the Cascades, irrigated pastures showed good growth and should do well the remainder of the summer.

Table 4.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, June 1964, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	June av. 1958-62	June 1963	May 1964	June 1964	June av. 1958-62	June 1963	May 1964	June 1964
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl. ....	4.13	4.00	4.07	4.03	3.54	3.58	3.57	3.52
E. N. Cent. ..	3.39	3.38	3.49	3.44	2.70	2.75	2.79	2.75
W. N. Cent. ..	3.19	3.18	3.26	3.23	2.30	2.45	2.47	2.44
S. Atl. ....	5.10	5.01	5.12	5.09	3.34	3.46	3.45	3.40
S. Cent. ....	4.15	4.15	4.23	4.15	3.06	3.16	3.14	3.10
West. ....	4.04	4.04	4.13	4.07	3.15	3.18	3.22	3.18
U. S.								
Milk areas....	3.76	3.72	3.82	3.77	2.95	3.02	3.03	2.99
Cream areas...	-	-	-	-	2.44	2.55	2.54	2.51
Milk and cream areas.....	-	-	-	-	2.91	3.00	3.02	2.98

Table 5.-Milk-feed and milkfat-feed price ratios, by regions, June 1964, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	June av. 1958-62	June 1963	May 1964	June 1964	June av. 1958-62	June 1963	May 1964	June 1964
N. Atl. ....	1.17	1.12	1.14	1.14	-	-	-	-
E. N. Cent. ..	1.25	1.23	1.25	1.25	20.2	20.1	19.8	20.1
W. N. Cent. ..	1.39	1.30	1.32	1.32	26.5	24.1	24.0	24.3
S. Atl. ....	1.53	1.45	1.48	1.50	-	-	-	-
S. Cent. ....	1.36	1.31	1.35	1.34	16.4	16.0	16.3	16.5
West. ....	1.28	1.27	1.28	1.28	18.5	18.2	17.9	18.1
U. S. ....	1.28	1.23	1.26	1.26	24.3	22.9	23.0	23.3

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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