

MILK PRODUCTION

~~Periodical Room~~

October 11, 1963

10/18 1963

SUMMARY

September milk production, at 9,598 million pounds, was down 0.4 percent from a year earlier, according to the United States Crop Reporting Board. Production in the first three quarters of 1963 was down about 1 percent from the same period last year. Production in September was equivalent to 1.68 pounds per person daily, compared with 1.71 pounds for September a year ago. Output per cow averaged 581 pounds during September -- up 2 percent from a year earlier and 12 percent above average for the month. Milk cows in herds kept by reporters received an average of 7.1 pounds of grain and other concentrates per cow on October 1, 4 percent more than a year earlier.

On October 1, condition of pasture feed was reported at 71 percent of normal, 8 points below a year earlier and 10 points under the 1957-61 average for the date. Reported condition of dairy pastures declined 2 points from September 1 to October 1, compared with the 5-year average advance of 1 point during September. September rainfall was below normal in most of the eastern half of the United States and less than one-half of normal in several large areas.

Table 1.-Milk per cow and milk production by months, United States, 1963 with comparisons

Month	Milk per cow			Milk production			
	Average 1957-61	1962	1963	Average 1957-61	1962	1963	Change from 1962
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
January.....	529	586	596	9,781	10,111	10,043	-0.7
February.....	507	557	563	9,360	9,598	9,470	-1.3
March.....	584	639	650	10,741	10,994	10,907	-0.8
April.....	605	654	666	11,096	11,232	11,149	-0.7
May.....	678	725	736	12,418	12,429	12,295	-1.1
June.....	656	697	712	11,981	11,926	11,842	-0.7
July.....	604	639	654	11,006	10,912	10,856	-0.5
August.....	559	598	613	10,156	10,191	10,154	-0.4
September.....	519	567	581	9,398	9,636	9,598	-0.4
October.....	520	574		9,394	9,740		
November.....	496	552		8,932	9,345		
December.....	527	581		9,474	9,813		
Annual.....	6,785	7,370		123,737	125,927		

Table 2.-Monthly milk per cow and milk production
September 1963, with comparisons

State	Monthly milk per cow ^{1/}			Milk production			
	Sept. av. 1957-61	Sept. 1962	Sept. 1963	Sept. av. 1957-61	Sept. 1962	Sept. 1963	Change from 1962
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
New York.....	585	647	664	738	809	803	-1
New Jersey.....	682	737	760	90	91	90	-1
Pennsylvania.....	586	642	660	522	557	560	+1
Ohio.....	608	664	695	427	432	432	0
Indiana.....	606	655	685	274	267	271	+1
Illinois.....	574	615	620	351	328	312	-5
Michigan.....	645	720	740	428	458	463	+1
Wisconsin.....	558	605	618	1215	1293	1312	+1
Minnesota.....	412	430	445	535	547	561	+3
Iowa.....	503	534	550	446	442	435	-2
Missouri.....	461	447	470	315	284	284	0
North Dakota.....	413	460	450	121	123	117	-5
South Dakota.....	394	432	445	102	102	101	-1
Nebraska.....	442	475	490	152	140	136	-3
Kansas.....	431	480	500	152	151	148	-2
Maryland.....	586	600	630	129	129	133	+3
Virginia.....	533	565	555	182	182	174	-4
West Virginia.....	421	414	435	58	49	48	-2
North Carolina.....	486	520	532	137	133	133	0
South Carolina.....	408	435	432	48	45	44	-2
Georgia.....	383	420	430	88	85	84	-1
Florida.....	504	560	565	96	99	103	+4
Kentucky.....	443	485	520	230	238	250	+5
Tennessee.....	406	440	440	206	216	210	-3
Alabama.....	330	350	375	85	79	80	+1
Mississippi.....	288	335	340	113	109	103	-6
Arkansas.....	353	400	385	84	82	74	-10
Oklahoma.....	425	530	520	117	119	113	-5
Texas.....	378	455	460	231	247	240	-3
Montana.....	455	465	470	38	33	32	-3
Idaho.....	622	659	660	126	129	127	-2
Wyoming.....	489	540	535	15.6	14.7	14.0	-5
Colorado.....	515	565	567	66	65	64	-2
Utah.....	621	650	670	59	60	60	0
Nevada.....	590	680	735	8.7	10.2	10.3	+1
Washington.....	654	742	760	155	175	173	-1
Oregon.....	554	584	580	91	89	84	-6
California.....	777	850	860	643	683	683	0
Hawaii.....	^{2/} 752	770	755	^{2/} 10.6	11.3	10.7	-5
Other States ^{3/}	-	-	-	513	530	526	-1
United States.....	519	567	581	9,398	9,636	9,598	-0.4

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

^{2/} Short-time average.

^{3/} Estimates not available for individual States.

Milk production continues below year-ago level

September milk production, at 9,598 million pounds, was down 0.4 percent from a year earlier. This compares with the 1957-61 average for September of 9,398 million pounds. Cumulative production for the first three quarters of 1963 was down 0.7 percent from the same period last year. Production in September was equivalent to 1.68 pounds per person daily, compared with 1.71 pounds for September a year ago. In the 39 States for which monthly estimates are available, 7 States, Pennsylvania, Wisconsin, Maryland, Florida, Kentucky, Nevada, and California had record high September production. Record low output occurred in 11 States during September. Wisconsin, New York, California, Minnesota, and Pennsylvania, in the order listed, were the leading States in September milk output.

September milk output per cow up 2 percent from 1962

Milk output per cow during September averaged 581 pounds -- up 2 percent from a year earlier and 12 percent above average for the month. The daily average of 19.4 pounds per cow in September was down 2 percent from August, the same seasonal decline as in 1962. Record September output per cow occurred in 28 of the 39 States where monthly estimates are available. Near records were established in 10 States, being exceeded either by September 1961 or 1962. California, with 860 pounds, led all other States in the September production per cow, followed by New Jersey and Washington, each with 760 pounds; Hawaii, with 755 pounds; Michigan, with 740 pounds; and Nevada, with 735 pounds.

Grain fed per cow 4 percent above year earlier

Milk cows in herds kept by reporters received an average of 7.1 pounds of grain and other concentrates per cow on October 1. This is 4 percent more than the previous record high for October 1 set last year, and 25 percent above the 1957-61 average for the date. Reported feeding rates were 10 percent or more above a year earlier in 10 States.

Milk-feed price ratio 3 percent below September last year

The September milk-feed price ratio, at 1.40, was 3 percent below the same month last year and 6 percent under average. The ratio was up 4 percent from August, compared with the 1957-61 average increase from August to September of 7 percent. The value of grain and concentrate ration was up only 1 cent, while wholesale milk prices rose 19 cents, accounting for a more favorable ratio than a month ago. In cream-selling areas, the September milkfat-feed price ratio of 22.8 was unchanged from August and compares with 24.0 a year earlier. The 5-year average milkfat-feed price ratio for September is 24.8.

Dairy pastures poor in many areas

Pasture feed continued short through September in a large part of the United States. On October 1, condition of pastures was reported at 71 percent of normal, 8 points below a year earlier and 10 points under the 1957-61 average for the date. Reported condition of dairy pastures declined 2 points from September 1 to October 1; compared with a 5-year average advance of 1 point during September.

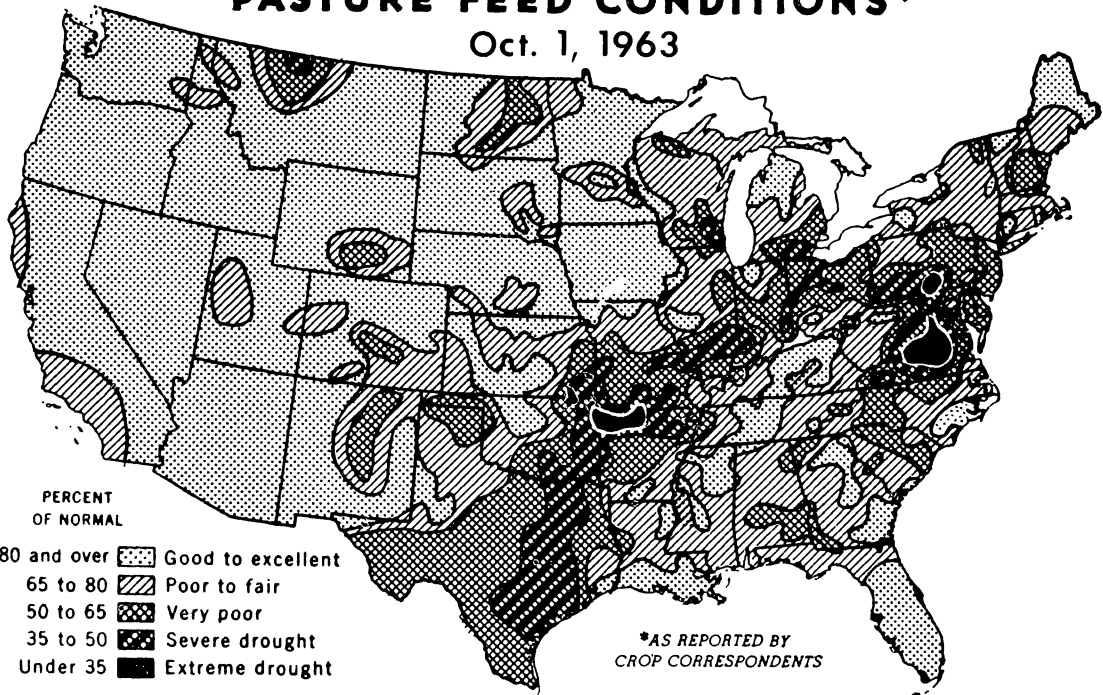
September rainfall was below normal in most of the eastern half of the country. Less than one-half of normal rainfall was received in several large areas, including a broad band from Missouri through Ohio, also major parts of Alabama, Mississippi, and Texas. Large areas of the West were favored with more September rainfall than usual -- the western Rockies, the southern two-thirds of California, and the Central Plains. Warm September weather west of the Mississippi stimulated late growth of grass in areas where soil moisture was favorable.

Reported pasture condition declined several points during September in each of the North Atlantic States except New Jersey, where September rains revived pastures. Late growth of pastures was checked by freezing temperatures on September 24-25 from Pennsylvania through New England. In most of the Northeast, feeding of supplemental roughage continued necessary through September, depleting winter supplies.

Ohio and Indiana reported the sharpest declines in pasture condition during September -- 20 and 26 points, respectively. October 1 condition in these States was the lowest in 10 years. In Illinois, pastures improved during September in the north, but deteriorated sharply in the southern two-thirds of the State where September rainfall was less than one-half of normal. Near-normal September rainfall in northern Wisconsin raised the State average of pasture condition 11 points from the very low level on September 1. Missouri pasture feed dried up rapidly during the last half of September. Farther west, generous September rains stimulated late growth of grass in most areas of Nebraska and Kansas. However, grazing continued very short in eastern Kansas.

PASTURE FEED CONDITIONS*

Oct. 1, 1963



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

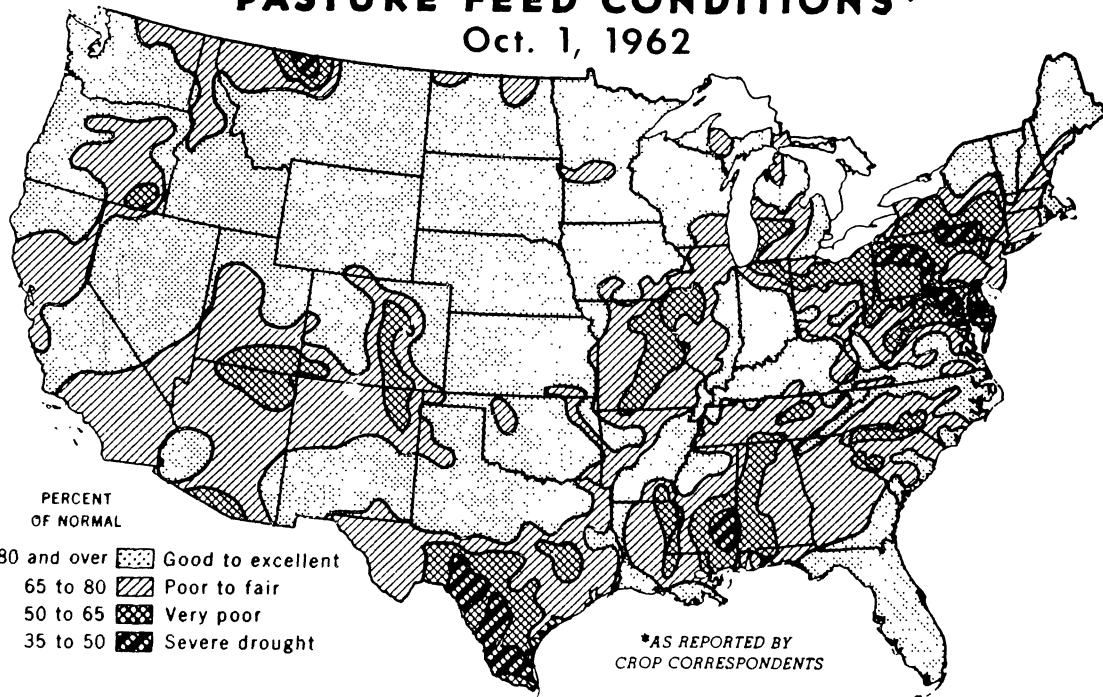
*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 71-63 (10) STATISTICAL REPORTING SERVICE

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NEG. SRS 47-62 (10) STATISTICAL REPORTING SERVICE

In Virginia, there was little change during September in the severe drought which has prevailed all summer. General rains near the end of September will help late pasture growth in Delaware and Maryland. These coastal rains were heavier south of Virginia and provided soil moisture to start fall seedings of winter pasture crops. Alabama pasture condition declined 15 points during September with less than one-half of normal rainfall in much of the State. Severe drought continued through September in northern Arkansas. Pastures improved in western Oklahoma during September but grazing continued very short in the eastern part of the State. Widespread September rains relieved the prolonged summer drought in southern and central Texas and the Edwards Plateau. Reported condition of pastures on October 1 was 25 or more points below the 5-year average for the date in Arkansas, Oklahoma, and Texas.

In the West, pasture condition was reported above the 5-year average for October 1 in all States except New Mexico. Above normal September rainfall in the eastern half of Colorado raised pasture condition for the State 12 points from September 1. Warm weather during September, with delayed killing frosts, favored late growth of pastures and ranges in the Mountain States. However, unusually high temperatures in southern California in late September were detrimental to dryland pastures. Pasture feed continued unusually good through September in Washington and Oregon.

Table 3.-Dairy pasture feed condition, as percentage of normal, October 1, 1963
with comparisons 1/

State and division	Oct. 1, av. 1957-61	Oct. 1, 1962	Oct. 1, 1963	State and division	Oct. 1, av. 1957-61	Oct. 1, 1962	Oct. 1, 1963
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	84	84	77	N. C.	84	76	66
N. H.	86	82	62	S. C.	79	69	67
Vt.	83	87	73	Ga.	80	76	73
Mass.	81	70	64	Fla.	85	83	79
R. I.	80	84	80	S. Atl. ..	81	70	62
Conn.	82	69	72	Ky.	83	85	78
N. Y.	77	66	73	Tenn.	84	73	74
N. J.	74	70	53	Ala.	83	66	67
Pa.	72	56	55	Miss.	84	70	76
N. Atl.	76	64	63	Ark.	83	83	54
Ohio	79	68	57	La.	86	75	80
Ind.	83	84	60	Okla.	86	87	61
Ill.	83	73	67	Tex.	81	77	53
Mich.	87	76	69	S. Cent. .	84	78	65
Wis.	84	88	71	Mont.	71	89	88
E. N. Cent..	84	80	66	Idaho.....	83	87	91
Minn.	82	88	84	Wyo.	78	87	84
Iowa.....	92	88	90	Colo.	78	78	81
Mo.	75	68	59	N. Mex.	81	74	79
N. Dak.	64	86	75	Ariz.	80	76	86
S. Dak.	70	90	84	Utah.....	74	81	87
Nebr.	83	71	84	Nev.	75	88	89
Kans.	85	89	72	Wash.	71	89	89
W. N. Cent.	32	86	80	Oreg.	78	83	89
Del.	79	53	59	Calif.....	76	79	82
Md.	76	50	57	West.	76	82	85
Va.	83	76	42	U.S.	81	79	71
W. Va.	75	68	69				

1/ Indicates current supply of feed for grazing relative to that expected from existing stands under very favorable weather conditions. United States 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, 1963, with comparisons

State	Oct. 1, av.	Oct. 1,	Oct. 1,	State	Oct. 1, av.	Oct. 1,	Oct. 1,
	1957-61	1962	1963		1957-61	1962	1963
	Lb.	Lb.	Lb.		Lb.	Lb.	Lb.
New York.....	6.7	7.8	8.0	North Carolina..	6.1	7.4	7.8
New Jersey.....	7.8	9.1	10.3	South Carolina..	5.3	5.5	5.6
Pennsylvania....	8.0	9.7	9.9	Georgia.....	5.5	6.4	8.1
Ohio.....	6.9	8.3	8.9	Kentucky.....	4.7	6.0	6.0
Indiana.....	6.4	7.8	8.4	Tennessee.....	4.8	5.6	5.5
Illinois.....	6.2	7.4	7.7	Alabama.....	4.4	6.6	6.6
Michigan.....	6.8	8.8	9.3	Mississippi.....	3.7	3.7	3.8
Wisconsin.....	5.4	6.6	7.0	Arkansas.....	4.6	4.9	5.4
Minnesota.....	4.7	6.0	5.9	Oklahoma.....	5.8	7.2	7.4
Iowa.....	5.9	7.4	7.3	Texas.....	5.1	5.0	5.2
Missouri.....	5.7	6.2	7.1	Montana.....	3.9	4.3	4.3
North Dakota....	4.6	5.5	5.6	Idaho.....	4.5	4.6	5.5
South Dakota....	4.0	4.3	4.2	Wyoming.....	3.9	3.8	4.0
Nebraska.....	5.0	6.2	6.4	Colorado.....	5.5	6.0	6.6
Kansas.....	6.1	7.1	7.1	Utah.....	5.1	7.1	7.1
Maryland.....	8.0	9.4	9.7	Washington.....	6.2	6.3	6.9
Virginia.....	6.6	7.3	8.0	Oregon.....	5.0	5.3	5.5
West Virginia...	3.9	4.2	5.0	California.....	7.0	7.0	8.0
				United States...	5.7	6.8	7.1

Table 5.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, September 1963, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Sept. av.	Sept.	Aug.	Sept.	Sept. av.	Sept.	Aug.	Sept.
	1957-61	1962	1963	1963	1957-61	1962	1963	1963
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	5.21	4.85	4.68	4.85	3.50	3.53	3.58	3.60
E. N. Cent. ..	3.84	3.75	3.63	3.79	2.71	2.73	2.80	2.82
W. N. Cent. ..	3.62	3.50	3.38	3.53	2.29	2.32	2.44	2.46
S. Atl.	5.46	5.37	5.22	5.42	3.38	3.29	3.50	3.48
S. Cent.	4.72	4.57	4.39	4.67	3.05	3.03	3.18	3.18
West.	4.44	4.26	4.18	4.29	3.13	3.16	3.18	3.16
U. S.								
Milk areas....	4.39	4.22	4.07	4.26	2.95	2.94	3.04	3.05
Cream areas...	-	-	-	-	2.45	2.42	2.54	2.56
Milk and cream areas.....	-	-	-	-	2.90	2.92	3.02	3.03

Table 6.-Milk-feed and milkfat-feed price ratios, by regions, September 1963, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Sept. av.	Sept.	Aug.	Sept.	Sept. av.	Sept.	Aug.	Sept.
	1957-61	1962	1963	1963	1957-61	1962	1963	1963
N. Atl.	1.49	1.37	1.31	1.35	-	-	-	-
E. N. Cent. ..	1.42	1.37	1.30	1.34	20.5	20.3	19.6	19.5
W. N. Cent. ..	1.58	1.51	1.39	1.43	27.4	25.5	24.1	24.1
S. Atl.	1.62	1.63	1.49	1.56	-	-	-	-
S. Cent.	1.55	1.51	1.38	1.47	16.8	16.9	16.2	16.2
West.	1.42	1.35	1.31	1.36	19.0	18.2	18.1	18.3
U. S.	1.49	1.44	1.34	1.40	24.8	24.0	22.8	22.8

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.