

MILK PRODUCTION

ALBERT W. WANN
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September 12, 1960

SUMMARY

Milk production on U. S. farms in August is estimated at 10,330 million pounds, about 1 percent more than in August 1959, but 1 percent less than the 1949-58 average for the month. Production in the first 8 months of 1960 totaled 88 billion pounds, 1 percent above the corresponding total for 1959. Milk production per cow in herds kept by crop reporters averaged 19.63 pounds on September 1, slightly above the previous record set a year earlier. Reporters were milking 72 percent of the milk cows in their dairy herds on September 1, the same percentage as at this time a year ago.

Dairy pasture conditions in the United States on September 1 averaged 81 percent of normal, 2 percentage points above September 1 last year, and 6 points above the 10-year average. For the country as a whole, pastures declined less than usual during August. Condition of pastures for milk cows improved during August in the Southern regions and was better than average on September 1 in all regions of the country except the West.

Table 1.-Monthly milk production on farms, United States, 1949-58 average, 1959 and 1960

Month	Monthly total				Daily average per capita		
	Average 1949-58	1959	1960	$\frac{1960}{1959}$	Average 1949-58	1959	1960
	Mil. pounds	Mil. pounds	Mil. pounds	Percent	Pounds	Pounds	Pounds
Jan.	8,909	9,854	9,862	100	1.79	1.81	1.78
Feb.	8,708	9,373	9,679	$\frac{1}{103}$	1.92	1.90	1.87
Mar.	10,189	10,734	10,862	101	2.05	1.97	1.96
Apr.	10,802	11,209	11,313	101	2.24	2.12	2.10
May.....	12,500	12,536	12,626	101	2.51	2.29	2.27
June.....	12,257	12,059	12,108	100	2.54	2.27	2.24
July.....	11,382	11,158	11,219	101	2.28	2.03	2.01
Aug.	10,466	10,243	10,330	101	2.09	1.86	1.85
Sept.	9,281	9,471			1.92	1.78	
Oct.	8,939	9,476			1.78	1.72	
Nov.	8,265	8,894			1.70	1.66	
Dec.	8,682	9,389			1.72	1.70	
Year.....	120,380	124,396			2.04	1.93	

$\frac{1}{1}$ Reflects extra day in February. On a daily average basis, percent is 99.7

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Table 2.-Monthly milk production on farms, selected States, August 1960, with comparisons 1/
[In millions of pounds]

State	Aug. av. 1949-58	Aug. 1959	July 1960	Aug. 1960	State	Aug. av. 1949-58	Aug. 1959	July 1960	Aug. 1960
N. Y.	727	718	823	746	Ga.	102	99	99	100
N. J.	93	94	96	95	Ky.	257	265	260	265
Pa.	502	553	564	556	Tenn.	240	233	240	235
Ohio.....	487	439	468	452	Ala.	111	98	99	96
Ind.	348	313	315	300	Miss.	135	128	131	124
Ill.	455	402	408	396	Ark.	120	106	109	104
Mich.	481	466	470	458	Okla.	157	136	141	132
Wis.	1,297	1,304	1,516	1,305	Tex.	267	250	252	249
Minn.	610	619	835	626	Mont.	49	44	49	43
Iowa.....	532	496	562	508	Idaho.....	125	143	160	148
Mo.	394	356	384	366	Wyo.	20.2	18.1	19.0	17.0
N. Dak. ..	168	155	186	151	Colo.	78	71	78	73
S. Dak. ..	126	118	138	115	Utah.....	59	66	69	66
Nebr.	200	178	194	176	Wash.	157	163	175	166
Kans.	203	162	167	161	Oreg.	111	104	116	104
Md.	119	135	130	138	Calif. ...	591	694	713	688
Va.	192	192	201	206	Other				
W. Va. ...	77	72	75	70	States..	671	647	768	683
N. C.	152	155	156	158	U. S.	10,466	10,243	11,219	10,330
S. C.	53	51	53	54					

1/ Monthly data for other States not yet available.

Table 3.-Dairy product-feed price ratios, by regions, August 15, 1960, with comparisons

Region	Milk-feed 1/				Milkfat-feed 2/			
	Aug. 15, av. 1949-58	Aug. 15, 1959	July 15, 1960	Aug. 15, 1960	Aug. 15, av. 1949-58	Aug. 15, 1959	July 15, 1960	Aug. 15, 1960
N. Atl. ..	1.28	1.43	1.32	1.39	-	-	-	-
E.N.C. ...	1.21	1.31	1.30	1.35	19.7	19.9	20.0	19.9
W.N.C. ...	1.34	1.46	1.44	1.52	24.1	26.4	26.2	26.7
S. Atl. ...	1.41	1.54	1.54	1.53	-	-	-	-
S. Cent. .	1.32	1.42	1.41	1.44	15.4	16.2	16.6	16.6
West.	1.25	1.31	1.29	1.33	18.1	18.3	18.5	18.5
U. S. ...	1.26	1.39	1.34	1.41	21.7	24.0	23.9	24.2

1/ Pounds of concentrate ration equal in value to 1 pound of whole milk sold by farmers to plants and dealers.

2/ Pounds of concentrate ration equal in value to 1 pound of milkfat in cream sold by farmers.

Table 4.-Value per 100 pounds of concentrate rations fed to milk cows, by regions,
August 15, 1960, with comparisons

[In dollars]

Region	Aug. 15, av. 1949-58	Aug. 15, 1959	June 15, 1960	July 15, 1960	Aug. 15, 1960
N. Atl.	3.74	3.50	3.48	3.48	3.48
E. N. C.	3.02	2.72	2.63	2.70	2.73
W. N. C.	2.66	2.30	2.25	2.29	2.27
S. Atl.	3.69	3.40	3.30	3.38	3.40
S. Cent.	3.44	3.08	3.04	3.05	3.05
West.	3.41	3.21	3.17	3.15	3.14
U. S.					
Milk-selling areas.	3.28	2.96	2.90	2.94	2.94
Cream-selling areas	2.86	2.46	2.40	2.44	2.43
Combined milk and cream areas.....	3.21	2.92	2.86	2.90	2.90

Milk production up 1 percent from a year earlier

Milk production on U. S. farms in August is estimated at 10,330 million pounds. This is about 1 percent more than in August 1959, but 1 percent less than the 1949-58 average for the month. The seasonal decline in production from July to August was 8 percent, the same drop as in 1959 and the 10-year average. Relative to population, August production provided 1.85 pounds per person daily -- about the same as the per capita production in August last year but 12 percent below average for the month. Production in the first 8 months of 1960 totaled 88 billion pounds, 1 percent above the corresponding total for 1959.

Milk production was a record high for August in Pennsylvania, Virginia, and Idaho and equaled previous record highs in North Carolina and Utah. New lows in August milk production were recorded in 8 States -- North Dakota, South Dakota, Nebraska, Kansas, West Virginia, Alabama, Oklahoma, and Montana. As usual, Wisconsin was the leading State in milk production, with 1,305 million pounds for August, followed by New York with 746 million, California with 688 million, and Minnesota with 626 million pounds.

September 1 milk output per cow at record high

Milk production per cow in herds kept by crop reporters averaged 19.63 pounds on September 1, slightly above the previous record set a year earlier. Increases from September 1, 1959 of 3 percent in the North Atlantic region, 1 percent in the East North Central, and 2 percent in the West North Central and South Atlantic regions were largely offset by a 7-percent decrease in the South Central region. For the country as a whole, September 1 production per cow declined 5 percent from August 1, about the same change as a year ago but slightly less than the average seasonal drop of 6 percent.

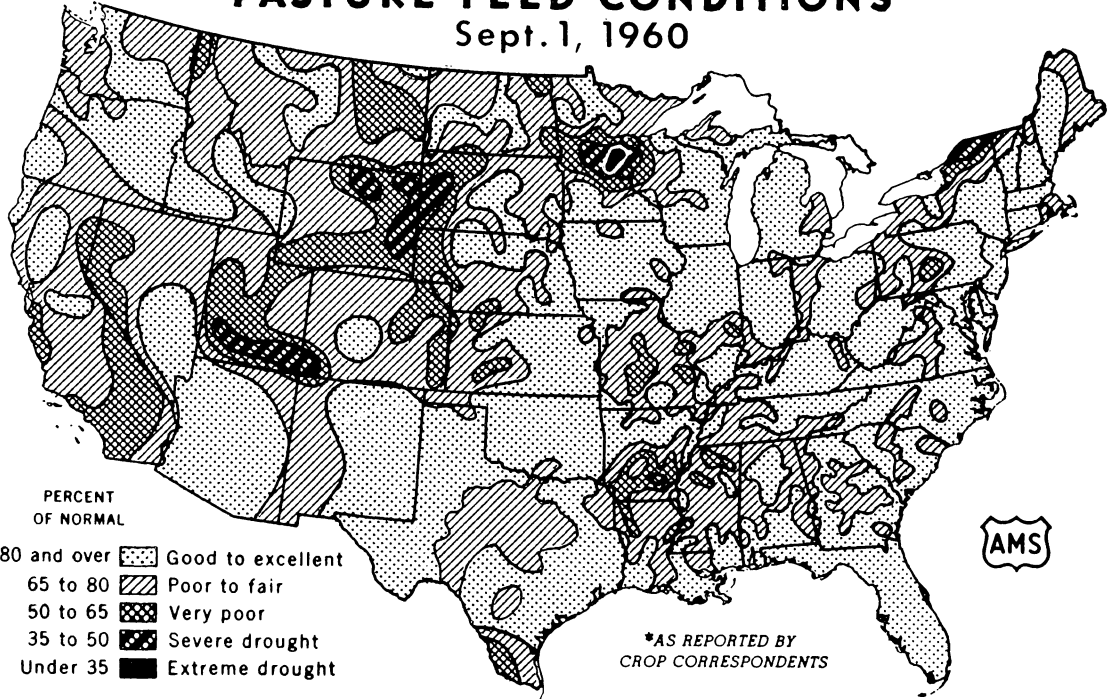
Reporters were milking 72 percent of the cows in their dairy herds on September 1, the same percentage as a year earlier. By regions, the percentage of cows milked ranged from 61 percent in the South Central to 79 percent in the West.

Dairy pastures better than on September 1 last year

Dairy pasture feed conditions in the United States averaged 81 percent of normal on September 1. This was 2 percentage points above September 1 last year and 6 points above the 1949-58 average for the date. For the country as a whole, pastures declined less than usual from August 1 to September 1. Condition of pastures for milk cows improved during August in the Southern regions where below-average temperatures and above-normal rainfall were most beneficial to grass.

PASTURE FEED CONDITIONS*

Sept. 1, 1960



- 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

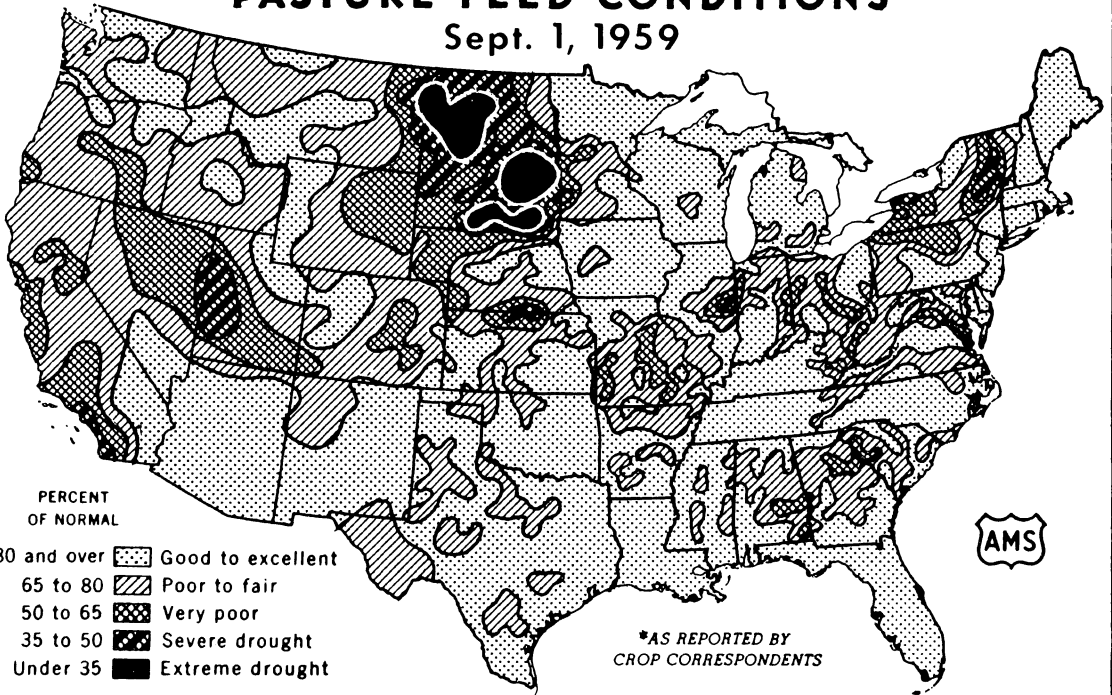
*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. 8049-60 (9) AGRICULTURAL MARKETING SERVICE

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U. S. DEPARTMENT OF AGRICULTURE

NEG. 7453-59 (9) AGRICULTURAL MARKETING SERVICE

Conditions above average in North Central regions

In the North Central regions, dairy pastures deteriorated during August but were still better than average for September 1. Pastures were good to excellent in all East North Central States on September 1, but grass furnished less grazing than a month earlier. Pastures for milk stock were in fair condition in most of the West North Central States, except in Iowa and eastern Kansas where they were good to excellent. In general, dry weather reduced pasture feed during August in most of the West North Central States, particularly in Minnesota, Nebraska, and Missouri. In North and South Dakota, condition of pastures showed much improvement from a year earlier.

Pastures deteriorate in the North Atlantic

Pastures in the North Atlantic region were much better than on September 1 last year and the average. Moisture supplies were sufficient to improve grazing in parts of New England and New Jersey, but pasture condition declined during August in most of the region. Pastures deteriorated and were generally poor on September 1 in northern and western New York and part of Pennsylvania.

Grass improves in the South

Dairy pastures improved during August in the Southern regions. Grass was supplying good to excellent grazing in all South Atlantic States on September 1, with Florida the only State where pastures had declined from a month earlier. Condition of pastures was above average for September 1 in all States. In the South Central region, pastures were not so good as on September 1 last year, but were well above average for the date. Pastures furnished considerably more grazing than usual in all States of the region except Mississippi and Louisiana where condition was down sharply from a year earlier.

Grazing poorer than usual in most Western States

Condition of pastures for milk cows in the Western region as a whole declined slightly from August 1, and was below the September 1 average. Pastures were good on September 1 in Idaho, Arizona, and New Mexico, but were generally very poor to fair in other States of the area. Condition was below average for September 1 in most Western States, with Wyoming, Utah, and Nevada down from 15 to 20 percentage points.

Table 5.-Milk produced per milk cow and percent of milk cows milked in herds kept by reporters, September 1, 1960, with comparisons 1/

State and division	Milk produced per milk cow 2/			Percent of milk cows milked		
	Sept. 1, av. 1949-58	Sept. 1, 1959	Sept. 1, 1960	Sept. 1, av. 1949-58	Sept. 1, 1959	Sept. 1, 1960
	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Me.	20.2	22.6	23.3	80.3	80.2	77.5
N. H.	19.8	22.5	22.9	76.7	77.7	77.0
Vt.	17.4	19.1	19.4	74.0	73.2	72.2
Mass.	20.5	22.8	23.1	79.2	79.6	76.7
Conn.	20.7	23.4	23.4	76.8	79.7	76.6
N. Y.	19.9	20.7	22.0	75.5	74.9	73.3
N. J.	22.3	24.5	24.6	78.2	79.2	77.9
Pa.	20.4	22.5	23.2	78.1	78.1	77.4
N. Atl.	20.21	21.98	22.69	76.6	77.1	76.1
Ohio.....	20.4	21.5	22.3	75.6	74.9	75.3
Ind.	19.3	22.6	21.2	74.5	76.2	73.4
Ill.	19.3	20.5	22.1	72.0	74.5	74.6
Mich.	22.4	25.0	24.9	80.8	80.4	80.2
Wis.	19.0	20.3	20.4	76.9	74.7	74.8
E. N. Cent.	19.77	21.45	21.58	76.2	75.6	75.4
Minn.	15.9	17.0	17.3	68.8	67.5	68.7
Iowa.....	18.3	20.8	21.4	70.0	71.8	72.9
Mo.	15.7	17.5	18.3	69.2	69.6	70.7
N. Dak.	15.6	17.6	16.7	68.5	68.2	65.6
S. Dak.	14.2	16.1	15.8	65.4	68.7	66.0
Nebr.	16.8	19.6	19.1	69.2	68.9	69.0
Kans.	15.7	17.7	18.8	65.7	66.0	67.3
W. N. Cent.	16.10	17.94	18.23	68.1	68.5	68.7
Md.	19.6	22.2	22.0	74.4	77.8	72.8
Va.	17.6	20.9	21.8	70.9	74.8	73.7
W. Va.	15.4	17.8	17.2	72.4	74.0	70.9
N. C.	15.7	18.1	18.5	70.9	71.9	74.2
S. C.	12.9	13.5	15.2	67.4	67.0	67.4
Ga.	11.2	12.8	13.7	59.9	58.6	59.3
S. Atl.	15.45	18.13	18.58	69.1	73.0	73.9
Ky.	15.0	18.0	17.0	69.8	70.3	69.4
Tenn.	13.5	15.0	15.3	69.9	68.2	69.4
Ala.	9.6	10.0	9.3	57.2	52.0	51.6
Miss.	8.6	9.4	9.7	58.9	62.6	58.9
Ark.	10.5	13.6	12.5	58.6	60.5	59.1
La.	7.7	9.5	9.8	47.0	54.0	51.0
Okla.	12.1	14.6	13.7	59.5	63.6	62.0
Tex.	9.6	11.4	11.4	54.5	53.2	53.2
S. Cent.	11.61	14.28	13.32	61.5	63.0	61.4
Mont.	18.3	18.7	20.0	72.2	69.6	70.4
Idaho.....	21.5	24.2	24.6	78.4	78.9	79.9
Wyo.	20.0	21.0	20.0	72.6	72.2	68.0
Colo.	18.5	20.0	20.7	72.2	72.2	72.1
Utah.....	21.8	23.7	23.7	78.6	77.8	78.8
Wash.	22.2	24.7	24.9	79.6	77.8	78.7
Oreg.	19.9	21.9	21.8	80.2	83.0	82.6
Calif.	23.1	29.0	29.0	79.5	80.9	83.6
West.	21.18	25.23	25.08	77.7	78.5	78.9
U. S.	17.17	19.53	19.63	71.1	72.0	71.8

1/ Figures for New England States, New Jersey, and Pennsylvania represent combined crop and special dairy reporters; others represent crop reporters only. Regional averages include less important dairy States not shown separately.

2/ Averages represent daily milk production divided by the total number of milk cows (in milk or dry).

Table 6.-Dairy pasture feed condition as percentage of normal, September 1, 1960, with comparisons ^{1/}
 [Percent]

State and division	Sept. 1, av. 1949-58	Sept. 1, 1958	Sept. 1, 1959	Sept. 1, 1960
Me.	77	96	88	79
N. H.	74	92	85	88
Vt.	78	91	73	81
Mass.	68	94	85	90
R. I.	77	98	80	75
Conn.	74	99	93	90
N. Y.	70	87	66	75
N. J.	67	90	85	87
Pa.	69	91	73	83
N. Atl.	71	90	73	80
Ohio.	78	97	76	82
Ind.	82	97	78	86
Ill.	80	95	83	85
Mich.	78	74	87	87
Wis.	79	63	89	84
E. N. Cent.	79	80	84	85
Minn.	79	69	79	72
Iowa.	80	92	91	92
Mo.	72	94	73	75
N. Dak.	73	61	49	73
S. Dak.	71	57	43	74
Nebr.	76	91	74	78
Kans.	68	93	79	83
W. N. Cent.	76	81	75	79
Del.	73	96	89	89
Md.	75	96	81	87
Va.	76	98	78	86
W. Va.	79	96	72	89
N. C.	77	91	88	88
S. C.	68	83	76	82
Ga.	72	85	76	81
Fla.	81	90	87	84
S. Atl.	75	92	80	86
Ky.	77	97	86	85
Tenn.	72	91	90	82
Ala.	70	90	77	79
Miss.	72	91	86	71
Ark.	71	92	82	79
La.	78	89	90	76
Okla.	65	93	85	91
Tex.	57	76	83	84
S. Cent.	68	89	85	83
Mont.	76	74	69	74
Idaho.	87	88	80	82
Wyo.	80	81	70	60
Colo.	72	84	69	64
N. Mex.	70	78	88	87
Ariz.	86	83	88	86
Utah.	80	75	71	64
Nev.	87	91	71	72
Wash.	75	56	73	70
Oreg.	77	74	76	79
Calif.	80	86	68	75
West.	78	78	72	74
U. S.	75	84	79	81

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