

MILK PRODUCTION

PERIODICAL ROOM

September 12, 1962

Summary

August milk production in the United States is estimated at 10,244 million pounds, three-tenths of a percent below August 1961, and about the same percentage below the 1951-60 average for the month. Production declined 7 percent from July to August compared with the average seasonal decrease of 8 percent. For the first 8 months of 1962, milk production totaled 87,945 million pounds, about 1 percent more than the corresponding total for 1961. Milk produced per cow in herds kept by crop reporters averaged 20.68 pounds on September 1, down from 21.93 pounds on August 1, but up slightly from 20.52 pounds a year earlier.

Condition of dairy pastures in the United States on September 1 was 73 percent of normal. This is 9 points below the unusually high average of 82 percent on September 1, 1961, but only 2 points below the 1951-60 average for the date. On September 1, pastures were much poorer than a year earlier in the North Atlantic, South Atlantic, and South Central Regions, also in a mid-western area from Ohio through Missouri. Dairy pastures were unusually good on September 1 in the Northern Plains States and most of the West.

Table 1.-Monthly milk production on farms, United States, 1951-60 average, 1961 and 1962

Month	Monthly total				Daily average per capita		
	Average 1951-60	1961	1962	$\frac{1962}{1961}$	Average 1951-60	1961	1962
	Mil. pounds	Mil. pounds	Mil. pounds	Percent	Pounds	Pounds	Pounds
Jan.	9,213	9,862	10,118	102.6	1.79	1.75	1.77
Feb.	8,950	9,438	9,629	102.0	1.91	1.85	1.86
Mar.	10,364	10,931	11,101	101.6	2.01	1.94	1.94
Apr.	10,890	11,200	11,340	101.2	2.18	2.05	2.04
May.	12,459	12,375	12,533	101.3	2.42	2.19	2.18
June.....	12,126	12,039	12,003	99.7	2.43	2.20	2.15
July.....	11,182	11,057	10,977	99.3	2.16	1.95	1.90
Aug.	10,285	10,270	10,244	99.7	1.99	1.81	1.77
Sept. ...	9,276	9,621			1.85	1.75	
Oct.	9,040	9,672			1.74	1.70	
Nov.	8,468	9,219			1.68	1.67	
Dec.	8,958	9,772			1.72	1.71	
Year...	121,211	125,456			1.99	1.88	

Table 2.-Monthly milk production on farms, selected States, August 1962, with comparisons

[In millions of pounds]

State	Aug. av. 1951-60	Aug. 1961	July 1962	Aug. 1962	State	Aug. av. 1951-60	Aug. 1961	July 1962	Aug. 1962
N. Y.	733	793	818	780	Ga.	96	89	84	84
N. J.	93	94	90	92	Ky.	256	267	263	268
Pa.	514	564	557	560	Tenn.	235	241	240	245
Ohio.....	471	452	464	440	Ala.	104	85	89	85
Ind.	326	278	294	275	Miss.	128	122	116	116
Ill.	427	369	391	370	Ark.	110	91	93	92
Mich.	464	449	477	470	Okla.	142	129	130	118
Wis.	1,308	1,355	1,561	1,379	Tex.	258	255	264	259
Minn.	612	653	833	633	Mont.	46	38	44	38
Iowa.....	519	519	565	523	Idaho.....	132	145	148	144
Mo.	377	352	377	348	Wyo.	19.0	16.4	18.8	16.5
N. Dak. ...	161	148	187	158	Colo.	76	69	72	65
S. Dak. ...	122	120	136	114	Utah.....	61	64	65	63
Nebr.	192	174	184	171	Wash.	158	173	183	179
Kans.	187	160	164	154	Oreg.	108	102	109	99
Md.	124	136	125	130	Calif. ...	626	706	733	714
Va.	189	190	191	193	Other				
W. Va.	70	58	56	51	States 1/	645	630	668	638
N. C.	144	138	143	136	U. S. ...	10,285	10,270	10,977	10,244
S. C.	52	46	44	44					

1/ Monthly data for individual States not available.

Table 3.-Dairy product-feed price ratios, by regions, August 15, 1962, with comparisons

Region	Milk-feed 1/				Milkfat-feed 2/			
	Aug. 15, av. 1951-60	Aug. 15, 1961	July 15, 1962	Aug. 15, 1962	Aug. 15, av. 1951-60	Aug. 15, 1961	July 15, 1962	Aug. 15, 1962
N. Atl. ...	1.32	1.38	1.27	1.35	-	-	-	-
E.N.C.	1.24	1.41	1.28	1.32	19.5	20.8	19.8	19.9
W.N.C.	1.37	1.54	1.38	1.46	24.5	26.9	25.1	25.8
S. Atl. ...	1.45	1.56	1.53	1.51	-	-	-	-
S. Cent. ...	1.34	1.45	1.33	1.38	15.5	17.0	16.7	16.5
West.	1.27	1.31	1.27	1.31	18.1	18.7	17.9	18.2
U. S. ...	1.30	1.42	1.31	1.37	22.2	25.2	23.7	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, 1962, with comparisons

[In dollars]

Region	Aug. 15, av. 1951-60	Aug. 15, 1961	June 15, 1962	July 15, 1962	Aug. 15, 1962
N. Atl.	3.70	3.49	3.51	3.52	3.51
E. N. C.	2.99	2.69	2.64	2.70	2.72
W. N. C.	2.62	2.30	2.39	2.34	2.30
S. Atl.	3.64	3.31	3.19	3.30	3.31
S. Cent.	3.39	3.03	3.04	3.06	3.04
West.	3.38	3.19	3.13	3.19	3.16
U. S.					
Milk-selling areas.	3.24	2.93	2.91	2.94	2.94
Cream-selling areas	2.80	2.40	2.47	2.44	2.40
Combined milk and cream areas.....	3.18	2.90	2.89	2.92	2.91

Milk production in August continues below 1961

August milk production in the United States is estimated at 10,244 million pounds, three tenths of a percent below August 1961, and about the same percentage below the 1951-60 average for the month. Production declined 7 percent from July to August compared with the average seasonal decline of 8 percent. Although pasture feed condition declined rather sharply during August, many dairymen maintained milk production levels by heavier feeding of concentrates and supplemental roughage. August milk production supplied an equivalent of 1.77 pounds per person daily compared with a daily rate of 1.81 pounds per capita during August last year, and the 10-year average of 1.99 pounds.

Of the 36 States for which individual monthly estimates are available, record high production for the month was attained in Wisconsin, Wyoming, and California. Exceeded in only one other year, production was at near record levels for August in New York, Pennsylvania, Kentucky, Tennessee, and Idaho. Record low production for the month of August was established in Nebraska, Kansas, West Virginia, South Carolina, Georgia, Mississippi, Colorado, and Oregon.

September 1 milk per cow up 1 percent from last year

Milk produced per cow in herds kept by crop reporters averaged 20.68 pounds on September 1, down from the 21.93 pounds reported on August 1, but up slightly from the 20.52 pounds for September 1, 1961. Contrary to the national average output, the September 1 rate per cow was slightly above August 1 in the North Atlantic and South Central Regions. Milk production per cow usually declines from August 1 to September 1 in these regions. In comparing the September 1 rates for 1961 and 1962 by regions, the West North Central and South Atlantic rates were down while the United States average increased. In reporters' herds, 72.0 percent of the cows were producing milk on September 1. This percentage is down slightly from a year earlier, but 1 percent above the 1951-60 average.

Milk-feed price ratio down 5 points from last year

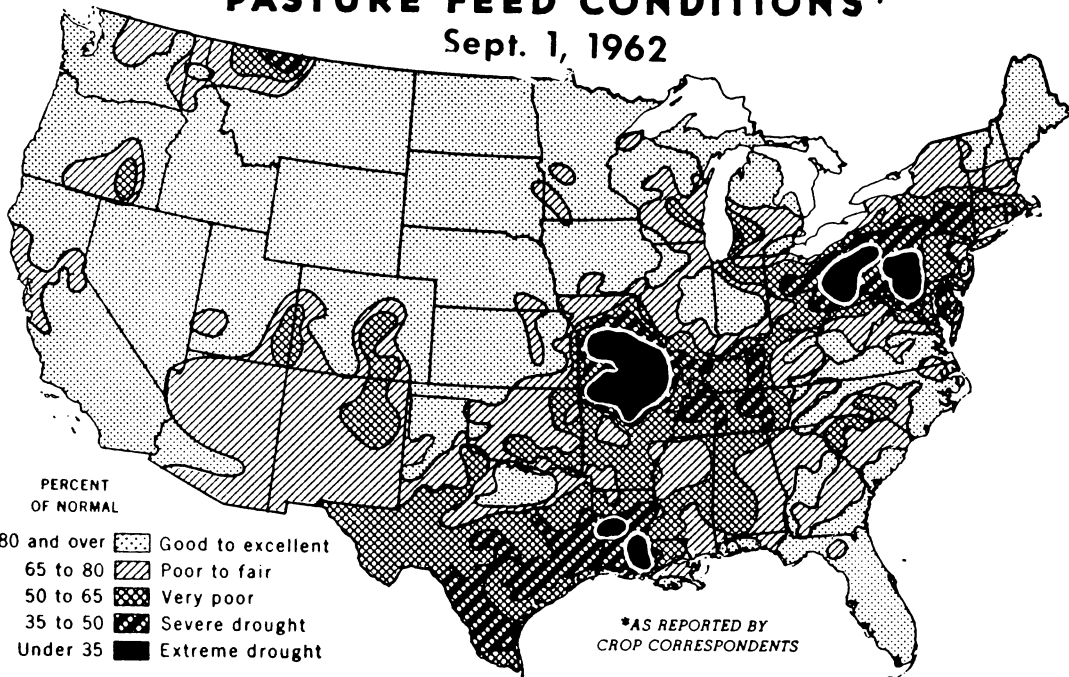
The milk-feed price ratio was 1.37 at mid-August compared with 1.31 a month earlier and 1.42 at mid-August last year. The advance in the ratio from July 15 to August 15 resulted from a seasonal increase in whole milk prices and steady feed values. Compared with a year earlier, lower milk prices, with little change in ration values, resulted in a decline in the pounds of feed a pound of milk would purchase. In cream selling areas, the milkfat-feed price ratio was 24.2 at mid-August, up 2 percent from mid-July, but down 4 percent from mid-August a year earlier.

Dairy pasture feed condition 9 points below a year ago

Reported condition of dairy pastures for the United States on September 1 was 73 percent of normal. This is 9 points below the unusually high average of 82 percent on September 1, 1961, but only 2 points below the 1951-60 average for the date. Dairy pasture feed condition declined 6 points during August, compared with an average decline during the month of 3 points. The seasonal decline was more than usual in all regions except the North Atlantic, where pastures improved after August rains, and the West, where the August decline was near average.

PASTURE FEED CONDITIONS*

Sept. 1, 1962



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

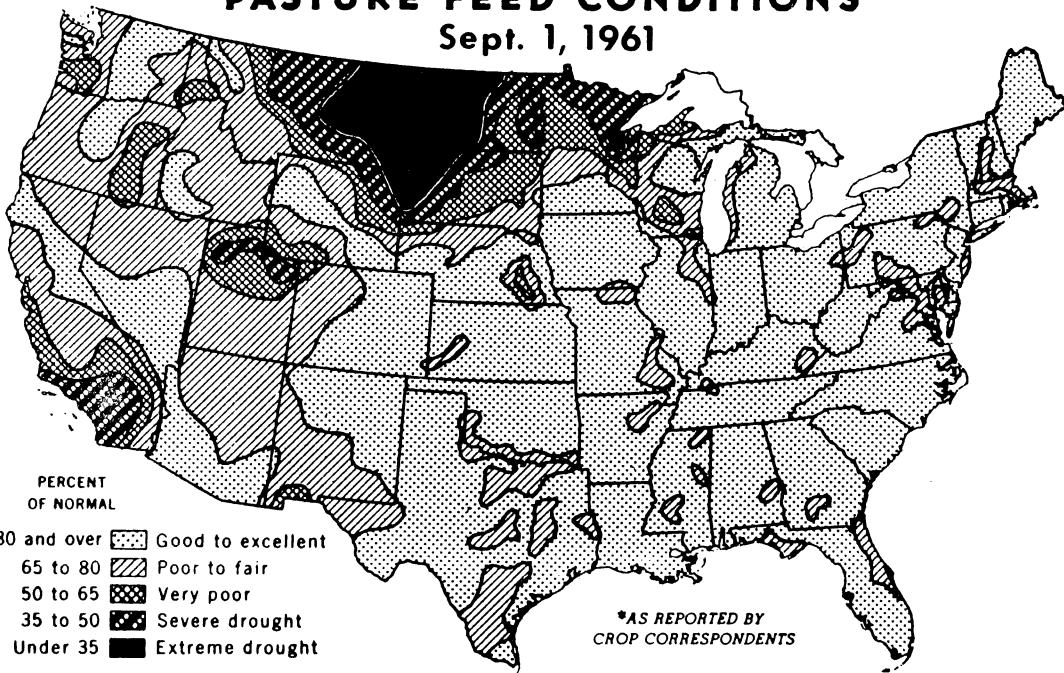
U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 42-62 (9)

STATISTICAL REPORTING SERVICE

PASTURE FEED CONDITIONS*

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U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 19-61 (9)

STATISTICAL REPORTING SERVICE

August rainfall was below normal in most of the country. However, areas receiving more rain than normal during the month included most of the Northeast, Florida and southern Georgia, northern Wisconsin, Louisiana, and a large area from the Pacific Northwest eastward through Montana. Temperatures were above normal for the month of August in most of the southern third of the country, contributing to the decline in pasture feed in dry areas.

North Atlantic pastures revived by August rains

In most of the North Atlantic Region, drought conditions were relieved by general rains August 7-11, also by heavy rains in more limited areas when tropical storm Alma moved up the east coast at the end of the month. In drought areas of eastern New York, southern New England, New Jersey, and eastern Pennsylvania, pastures greened up rapidly after the early August rains, but pasture feed was still far short of meeting roughage needs throughout the month. Rainfall continued light through August in central and western Pennsylvania and southern areas of New York, where pastures are furnishing little feed. For the North Atlantic Region as a whole, reported condition of dairy pastures gained 11 points during August to 60 percent of normal on September 1. However, this is still 27 points below a year earlier and 14 points below the 1951-60 average.

Southern pastures much poorer than in 1961

During August, the drought area in the Northeast expanded southward across Maryland into northern Virginia and West Virginia. With sharp declines in pasture feed conditions in these States, reported condition of dairy pastures in the South Atlantic Region dropped 7 points during August to 72 percent of normal on September 1. This is a sharp contrast to the unusually high regional average of 89 percent a year earlier.

In the South Central Region, dairy pasture condition dropped 14 points from August 1 to September 1. The regional average of 62 percent on September 1 is 26 points below a year earlier and 5 points below the 1951-60 average, which includes several drought years. In many of the South Central States, pastures were in the poorest condition for September 1 since 1954--in Texas and Oklahoma since 1956. Most of the August rainfall in this region came at the beginning and end of the month and was limited to local areas. More general rains at the end of the month improved prospects for fall pasture in Arkansas, Louisiana and eastern areas of Oklahoma and Texas. A shortage of pasture feed continues in central and south Texas.

Pasture condition declines sharply from Ohio through Missouri

Reported pasture condition declined 15 points during August in Ohio and Indiana. September 1 condition in Ohio was the lowest since 1944. Pastures also dried up rapidly in southern Illinois during August. With smaller declines in other States, condition of dairy pastures in the East North Central Region dropped 11 points during August to 72 percent, which is 11 points below a year earlier. September 1 pasture condition was above average in all States of the West North Central Region except Missouri. The severe drought in southern

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Table 5.-Milk produced per milk cow and percent of milk cows milked in herds kept by reporters, September 1, 1962, with comparisons 1/

State and division	Milk produced per milk cow 2/			Percent of milk cows milked		
	Sept. 1, av. 1951-60	Sept. 1, 1961	Sept. 1, 1962	Sept. 1, av. 1951-60	Sept. 1, 1961	Sept. 1, 1962
	Pounds	Pounds	Pounds	Percent	Percent	Percent
Me.	21.3	25.3	25.5	80.2	82.4	81.7
N. H.	21.0	24.3	25.2	77.7	79.8	80.3
Vt.	18.0	20.4	22.2	73.6	74.4	75.5
Mass.	21.3	23.7	24.0	78.9	81.5	82.2
Conn.	21.5	24.7	25.6	76.7	77.7	80.0
N. Y.	20.3	22.4	23.3	74.9	74.7	75.9
N. J.	22.8	25.8	24.9	78.1	79.0	77.2
Pa.	21.0	24.1	24.4	77.7	78.5	78.0
N. Atl.	20.77	23.51	23.74	76.4	77.4	77.5
Ohio.....	20.9	24.1	23.9	75.2	77.0	76.0
Ind.	20.1	22.9	22.2	74.5	77.7	74.0
Ill.	19.8	22.3	22.1	72.4	74.5	74.1
Mich.	23.2	26.2	27.5	80.6	80.3	80.9
Wis.	19.3	20.9	21.3	76.0	74.6	75.0
E. N. Cent.	20.27	22.70	22.76	75.8	76.3	75.7
Minn.	16.2	17.5	16.9	68.4	67.5	66.5
Iowa.....	19.2	21.5	22.0	70.5	72.3	74.1
Mo.	16.0	18.5	16.7	69.2	71.0	69.6
N. Dak.	15.9	18.0	18.8	67.1	69.1	68.5
S. Dak.	14.7	17.0	17.6	65.6	66.7	66.5
Nebr.	17.4	20.2	20.3	68.8	69.2	70.2
Kans.	16.3	19.0	18.2	65.6	67.0	65.9
W. N. Cent.	16.58	18.71	18.40	67.9	69.1	68.2
Md.	20.4	22.4	22.1	74.3	79.2	77.7
Va.	18.6	22.5	23.8	71.4	75.5	74.9
W. Va.	15.8	18.6	17.1	71.8	70.2	67.8
N. C.	16.4	18.6	18.1	71.3	69.1	69.6
S. C.	13.2	15.3	13.7	67.2	66.8	65.0
Ga.	11.7	13.9	12.8	58.9	59.0	58.5
S. Atl.	16.17	19.19	17.76	69.7	72.3	67.8
Ky.	15.4	18.7	18.5	69.2	67.9	69.9
Tenn.	13.8	16.1	16.5	69.4	69.3	69.7
Ala.	9.4	9.2	9.5	55.2	49.7	51.0
Miss.	8.8	9.7	9.1	58.8	58.0	58.6
Ark.	11.0	14.0	14.8	58.2	60.0	60.0
La.	8.0	10.3	11.3	47.4	51.0	54.3
Okla.	12.6	15.3	14.0	60.0	61.3	60.0
Tex.	10.0	11.5	12.4	53.9	53.1	55.0
S. Cent.	12.07	14.45	15.11	61.3	61.2	63.7
Mont.	18.8	20.4	20.3	71.7	71.1	72.2
Idaho.....	22.3	26.6	25.9	78.7	81.0	79.5
Wyo.	20.1	21.0	22.4	71.4	72.3	74.2
Colo.	19.2	20.2	20.0	72.0	75.0	74.5
Utah.....	22.6	25.8	26.6	78.7	82.0	80.1
Wash.	22.9	25.1	26.9	78.8	79.0	79.1
Oreg.	20.5	22.0	22.7	81.2	82.0	80.0
Calif.	24.8	29.5	31.5	80.9	81.6	82.6
West.	22.32	25.04	26.83	78.1	79.0	79.4
U. S.	17.78	20.52	20.68	71.0	72.3	72.0

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, 1962, with comparisons ^{1/}

[Percent]

State and division	Sept. 1, av. 1951-60	Sept. 1, 1960	Sept. 1, 1961	Sept. 1, 1962
Me.	82	79	82	86
N. H.	81	88	84	79
Vt.	81	81	88	82
Mass.	75	90	80	61
R. I.	82	75	84	56
Conn.	79	90	88	64
N. Y.	72	75	90	61
N. J.	72	87	85	65
Pa.	70	83	84	44
N. Atl.	74	80	87	60
Ohio.....	78	82	92	54
Ind.	81	86	92	75
Ill.	80	85	89	73
Mich.	79	87	87	72
Wis.	81	84	71	79
E. N. Cent.	80	85	83	72
Minn.	81	72	70	87
Iowa.....	81	92	91	87
Mo.	68	75	86	43
N. Dak.	71	73	34	91
S. Dak.	69	74	62	92
Nebr.	73	78	79	91
Kans.	65	83	91	82
W. N. Cent.	75	79	77	82
Del.	77	89	77	63
Md.	76	87	81	46
Va.	74	86	92	81
W. Va.	77	89	92	69
N. C.	76	88	92	79
S. C.	68	82	89	70
Ga.	71	81	89	75
Fla.	83	84	86	81
S. Atl.	75	86	89	72
Ky.	75	85	94	63
Tenn.	70	82	91	56
Ala.	68	79	88	65
Miss.	70	71	88	64
Ark.	69	79	87	58
La.	77	76	91	51
Okla.	65	91	88	72
Tex.	58	84	83	60
S. Cent.	67	83	88	62
Mont.	76	74	47	91
Idaho.....	86	82	74	89
Wyo.	77	60	70	91
Colo.	70	64	87	82
N. Mex.	70	87	83	68
Ariz.	87	86	75	81
Utah.....	77	64	59	85
Nev.	84	72	74	92
Wash.	74	70	70	89
Oreg.	78	79	74	85
Calif.	79	75	72	80
West.	78	74	71	84
U. S.	75	81	82	73

^{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.

OFFICIAL BUSINESS



Growth Through Agricultural Progress

(Continued from page 5)

Missouri intensified during August and average pasture condition for the State dropped 21 points during the month to 43 percent, the lowest level since 1954. However, with pastures much better than usual in the Northern Plains States, reported condition of dairy pastures average 82 percent of normal for the West North Central Region on September 1, 5 points above a year earlier.

Dairy pastures hold up well in West

In the West, September 1 pasture feed condition was above average in all States except New Mexico and Arizona. Rains in early August improved pasture feed considerably in dairy areas of western Washington and Oregon. For the Western Region as a whole, dairy pasture condition declined only 1 point during August to 84 percent of normal on September 1, which is 13 points above a year earlier.