

MILK PRODUCTION

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October 12, 1960

OCT 17 1960

SUMMARY

Milk production on farms in September is estimated at 9,498 million pounds -- slightly more than September last year and 2 percent above the 1949-58 average for the month. Output of milk in the first 9 months of 1960 totaled 97.5 billion pounds, about 1 percent more than the corresponding 9-month total for 1959. Milk production per cow in crop reporters' herds on October 1 averaged 19.40 pounds, less than 1 percent below the record high for the date set last year. On October 1, farmers fed milk cows an average of 5.86 pounds of grain and concentrates -- 3 percent more than the previous high for the date set last year.

Dairy pastures in the United States on October 1 were 80 percent of normal, 2 percentage points above a year earlier and 6 points above the 10-year average for the date. The October 1 condition dropped below average only in the Western region. Pastures were considerably better than average in the West North Central, South Atlantic, and South Central regions.

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	9,498	100	1.92	1.78	1.75
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	

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, September 1960, with comparisons 1/
[In millions of pounds]

State	Sept. av. 1949-58	Sept. 1959	Aug. 1960	Sept. 1960	State	Sept. av. 1949-58	Sept. 1959	Aug. 1960	Sept. 1960
N. Y.	692	733	746	739	Ga.	98	101	100	101
N. J.	91	92	95	94	Ky.	224	229	265	227
Pa.	480	534	556	535	Tenn.	214	212	235	210
Ohio.....	452	430	452	441	Ala.	102	93	96	90
Ind.	317	293	300	284	Miss.	116	119	124	123
Ill.	405	362	396	357	Ark.	104	93	104	93
Mich.	445	443	458	431	Okla.	136	122	132	116
Wis.	1,116	1,176	1,305	1,184	Tex.	241	229	249	227
Minn.	496	541	626	548	Mont.	43	38	43	38
Iowa.....	459	431	508	436	Idaho.....	111	125	148	129
Mo.	347	315	366	318	Wyo.	18.1	16.4	17.0	15.3
N. Dak. ..	129	123	151	119	Colo.	68	66	73	66
S. Dak. ..	105	103	115	97	Utah.....	52	61	66	60
Nebr.	164	147	176	145	Wash.	144	156	166	158
Kans.	177	148	161	147	Oreg.	96	90	104	91
Md.	116	130	138	131	Calif. ...	545	650	688	648
Va.	183	187	206	194	Other				
W. Va. ...	71	69	70	68	States..	532	616	683	629
N. C.	142	148	158	155	U. S.	9,281	9,471	10,330	9,498
S. C.	50	50	54	54					

1/ Monthly data for other States not yet available.

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

Region	Milk-feed 1/				Milkfat-feed 2/			
	Sept. 15, av. 1949-58	Sept. 15, 1959	Aug. 15, 1960	Sept. 15, 1960	Sept. 15, av. 1949-58	Sept. 15, 1959	Aug. 15, 1960	Sept.15, 1960
N. Atl. ...	1.36	1.53	1.40	1.48	-	-	-	-
E.N.C. ...	1.28	1.40	1.36	1.47	20.0	20.6	19.9	20.4
W.N.C. ...	1.44	1.58	1.49	1.61	24.6	27.5	26.7	27.4
S. Atl. ...	1.49	1.63	1.54	1.61	-	-	-	-
S. Cent. .	1.44	1.56	1.45	1.56	15.6	16.9	16.6	17.0
West.	1.32	1.41	1.33	1.41	18.4	19.1	18.5	18.7
U. S. ..	1.35	1.50	1.41	1.51	22.2	25.0	24.2	24.8

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, September 15, 1960, with comparisons

[In dollars]

Region	Sept. 15, av. 1949-58	Sept. 15, 1959	July 15, 1960	Aug. 15, 1960	Sept. 15, 1960
N. Atl.	3.71	3.47	3.48	3.48	3.47
E. N. C.	3.00	2.67	2.70	2.73	2.70
W. N. C.	2.64	2.26	2.29	2.27	2.25
S. Atl.	3.66	3.34	3.38	3.40	3.37
S. Cent.	3.41	3.00	3.05	3.05	3.01
West.	3.39	3.17	3.15	3.14	3.13
U. S.					
Milk-selling areas..	3.26	2.92	2.94	2.94	2.92
Cream-selling areas.	2.84	2.41	2.44	2.43	2.41
Combined milk and cream areas.....	3.19	2.87	2.90	2.90	2.88

Milk production slightly over September last year

Milk production on farms in September is estimated at 9,498 million pounds -- slightly more than September last year and 2 percent above the 1949-58 average for the month. Production declined 8 percent from August to September. This was about the same seasonal decrease as in 1959, but compares with an average decrease of 11 percent from August to September. Relative to population, September production was sufficient to provide 1.75 pounds of milk per capita -- 2 percent less than in the same month a year earlier and 8 percent less than the September 10-year average. Output of milk in the first 9 months of 1960 totaled 97.5 billion pounds, compared with 96.6 billion pounds produced during the January-September period last year.

Among the 36 States making monthly milk production estimates, September output reached record highs in New Jersey, Pennsylvania, Virginia, North Carolina, South Carolina, and Idaho. On the other hand, milk production equaled or set record lows for September in North Dakota, South Dakota, Nebraska, Kansas, West Virginia, Alabama, Oklahoma, Montana, and Wyoming. As usual, Wisconsin led all States in September production with 1,184 million pounds, followed by New York with 739 million; California, 648 million; Minnesota, 548 million; and Pennsylvania, 535 million pounds.

October 1 milk per cow below a year earlier

Milk production per cow in crop reporters' herds on October 1 averaged 19.40 pounds -- less than 1 percent below the record high for the date set last year but 18 percent above the October 1 average. Rate per milk cow declined 1 percent from September 1, compared with practically no seasonal change from September 1 to October 1 in the previous year. October 1 rates edged a little above the previous year's levels in all sections of the country except in the South. In the South Atlantic region, milk produced per cow was 3 percent less than on October 1, 1959, and in the South Central States was off 8 percent. For the entire country, crop reporters milked 71.0 percent of the cows in their dairy herds on October 1. This was about the same proportion as a year earlier but 2 percent above the October 1 average.

Grain and concentrate feeding continues at record level

Farmers fed milk cows an average of 5.86 pounds of grain and concentrates on October 1. This rate was 3 percent above the previous high for the date set last year and more than a fourth above the October 1, 1949-58 average. Grain and concentrate feeding increased 4 percent from August 1 to October 1 compared with an increase of 5 percent between these dates last year and the average seasonal gain of 7 percent. On October 1, 75 percent of the farmers fed some grain and concentrates to milk cows. This was about 2 percentage points less than the proportion feeding grain on October 1 last year and was slightly below average for the date.

Feeding rates reach new highs in most regions

The average quantity of grain and concentrates fed milk cows set record highs for October 1 in all regions except the South Central and the West, where current feeding rates approached the record highs of last year. Quantities fed on October 1 ranged from 7.3 pounds per milk cow in the North Atlantic to 4.5 pounds in the South Central region. Feeding rates in other sections of the country were 6.1 pounds in both the East North Central States and the West, 5.9 pounds in the South Atlantic, and 5.5 pounds in the West North Central. Compared with a year earlier, feeding of grain and concentrates showed gains of 5 to 6 percent in the East North Central and North Atlantic regions and smaller increases in the West North Central and South Atlantic. Feeding rates in the West and South Central regions lagged 2 to 4 percent behind October 1 last year.

Dairy product-feed price ratios favorable

The value of grains and concentrates fed to milk cows averaged \$2.88 per hundredweight on September 15. This was 1 cent above a year earlier. Ration values on September 15 averaged \$2.92 in milk-selling areas and \$2.41 in cream-selling areas. The milk-feed price ratio at mid-September was only slightly above a year earlier, but was the highest on record for the date since 1931. The milkfat-feed price ratio was 1 percent below September 15, 1959, but otherwise the highest for mid-September since 1948.

Dairy pastures continue above average

Condition of dairy pastures in the United States was 80 percent of normal on October 1. This was 2 percentage points above a year earlier and 6 points above the 1949-58 average for the date. Condition declined 1 point during September, which was the usual seasonal change for the country as a whole. October 1 condition dropped below average only in the Western region. Pastures were considerably better than average in the West North Central, South Atlantic, and South Central regions.

In the East North Central region, dairy pasture condition dropped 4 points during September, compared with a usual seasonal decline of only 1 point. Pastures dried up rapidly in September in southern Illinois, southern Indiana, and western Ohio. After holding up unusually well through the summer, reported condition for each of these States dropped about 10 points during September, and was below average at the end of the month. Wisconsin pastures continued in excellent condition through September.

In the West North Central region, pastures for milk cows held up better than usual during September, with an increase of 3 points in the reported condition to 82 percent on October 1. This was 9 points above the 10-year average for the date. In Minnesota, abundant rains around mid-September revived pastures in the central part of the State and raised reported condition 14 points during the month. By contrast, Missouri pasture feed was cut sharply by dry weather in September, with a drop of 17 points to 58 percent of normal at the end of the month. On October 1, dairy pastures were considerably better than average in Iowa, South Dakota, Nebraska, and Kansas.

Pastures unusually good in South

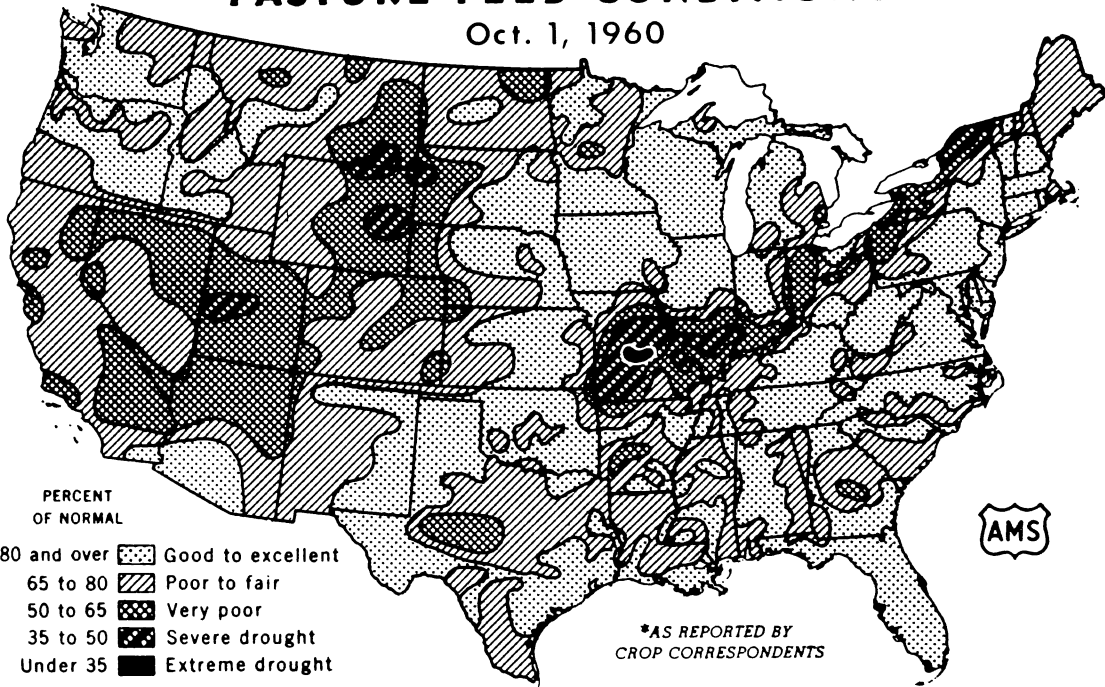
Dairy pastures in the South Central States declined more than usual during September but October 1 condition was 13 points above the 10-year average for the region. Ample September rainfall greened up pastures in Alabama, Mississippi, and southern Arkansas. Pasture feed for milk cows continues unusually good in Oklahoma and most of Texas. On October 1, pasture condition was above average in each of the South Atlantic States, and 10 points above average for the region as a whole. Rains associated with Hurricane Donna furnished abundant soil moisture for September pasture growth throughout this area.

In the North Atlantic region, condition of dairy pastures dropped 1 point during September, in contrast to an average seasonal increase of 5 points. The decline in condition occurred mostly in western New York and northwestern Pennsylvania. Pastures continue very poor in northern New York. For the entire North Atlantic region, October 1 dairy pasture condition was still 3 points above the 10-year average for the date.

(Continued on page 8)

PASTURE FEED CONDITIONS*

Oct. 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

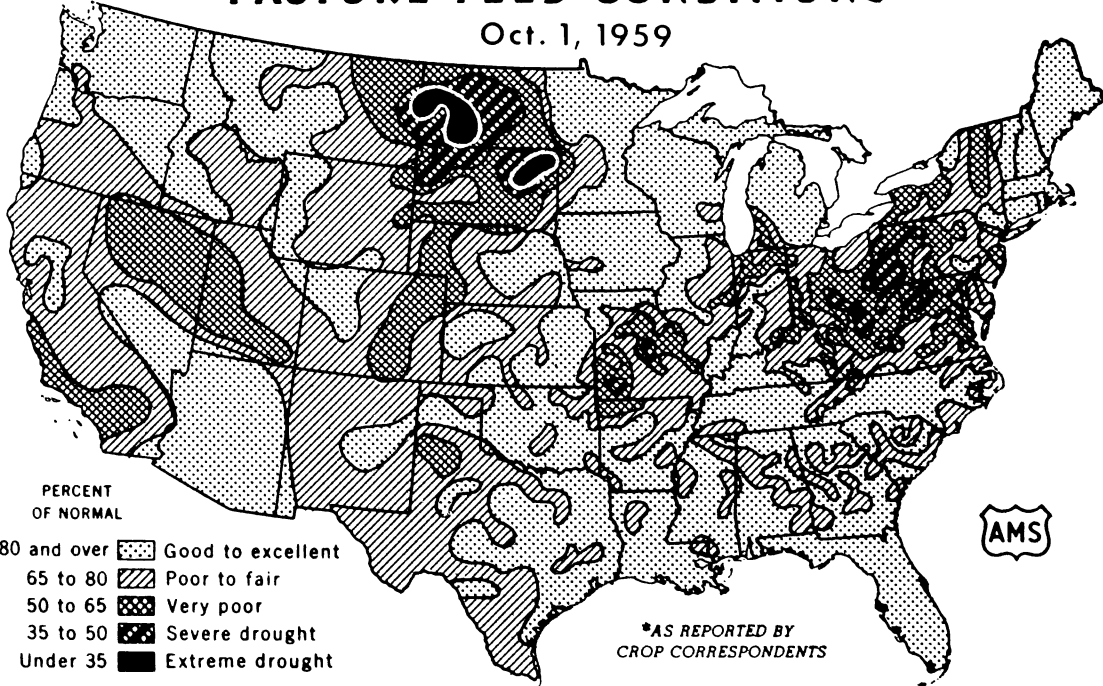
*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. 8142-60 (10) AGRICULTURAL MARKETING SERVICE

PASTURE FEED CONDITIONS*

Oct. 1, 1959



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. 7516-59 (10) AGRICULTURAL MARKETING SERVICE

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

State and division	Milk produced per milk cow 2/			Percent of milk cows milked		
	Oct. 1, av. 1949-58	Oct. 1, 1959	Oct. 1, 1960	Oct. 1, av. 1949-58	Oct. 1, 1959	Oct. 1, 1960
	Pounds	Pounds	Pounds	Percent	Percent	Percent
Me.	19.6	22.3	23.0	80.7	80.8	79.9
N. H.	20.0	23.2	22.7	77.6	77.8	76.8
Vt.	17.9	20.5	20.3	74.6	75.6	74.8
Mass.	20.8	23.5	24.0	79.5	80.5	79.7
Conn.	21.2	23.4	23.8	78.2	78.7	77.6
N. Y.	20.5	23.0	23.4	75.8	77.3	76.4
N. J.	22.4	24.9	25.4	78.4	79.0	78.9
Pa.	20.4	23.8	23.8	77.5	79.0	78.6
N. Atl.	20.45	23.21	23.42	76.6	78.0	77.3
Ohio.....	20.0	22.1	22.8	75.3	76.3	75.9
Ind.	18.4	20.8	21.7	72.8	74.4	73.8
Ill.	18.2	21.6	20.9	69.8	73.9	73.8
Mich.	21.2	24.7	25.1	79.4	79.7	81.1
Wis.	17.7	20.7	20.7	73.2	72.7	73.4
E. N. Cent.	18.82	21.68	21.90	73.9	74.6	75.1
Minn.	14.6	16.6	17.0	62.5	63.9	62.4
Iowa.....	17.3	19.8	20.4	67.6	68.4	69.5
Mo.	14.5	16.7	16.1	68.0	70.0	69.4
N. Dak.	13.3	15.6	15.0	61.3	61.2	60.0
S. Dak.	13.0	15.9	15.9	61.3	65.5	63.7
Nebr.	15.0	17.5	17.8	65.4	70.9	68.6
Kans.	14.8	17.6	17.7	64.1	66.6	67.7
W. N. Cent.	14.81	17.20	17.26	64.3	65.9	65.5
Md.	19.1	21.8	21.5	74.9	75.5	73.5
Va.	17.3	21.6	21.9	72.2	77.6	75.4
W. Va.	14.8	17.6	18.0	72.5	73.9	71.6
N. C.	15.3	18.2	19.0	72.3	74.0	76.0
S. C.	12.5	13.0	14.2	67.5	65.6	63.1
Ga.	11.0	13.5	13.7	59.8	60.0	61.1
S. Atl.	15.13	19.15	18.56	69.9	73.4	74.7
Ky.	14.3	16.8	15.9	69.8	70.0	68.8
Tenn.	12.4	15.1	14.2	69.5	68.8	66.7
Ala.	8.9	9.0	9.1	55.5	48.5	50.4
Miss.	7.8	8.7	9.8	57.0	59.8	64.0
Ark.	9.8	12.2	12.9	57.9	60.1	62.7
La.	7.5	9.1	10.2	47.2	59.5	52.8
Okla.	11.6	14.9	13.9	58.4	61.2	62.1
Tex.	9.5	11.4	11.3	53.2	55.1	48.5
S. Cent.	11.07	13.99	12.82	60.9	63.5	61.1
Mont.	16.8	16.8	18.3	68.8	67.9	66.5
Idaho.....	20.1	21.5	22.2	75.9	76.8	75.8
Wyo.	18.2	21.0	19.0	69.5	72.9	66.4
Colo.	17.1	19.6	20.3	69.4	72.9	73.9
Utah.....	21.0	24.2	24.1	76.4	79.6	80.9
Wash.	21.0	24.8	25.4	78.2	78.8	79.6
Oreg.	18.2	20.0	20.4	78.3	78.1	81.4
Calif.	22.6	26.7	26.5	79.0	80.0	76.6
West.	20.08	23.95	24.03	76.0	77.9	77.4
U. S.	16.44	19.52	19.40	69.5	71.4	71.0

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, and "grain" fed per milk cow in herds kept by reporters, October 1, 1960, with comparisons

State and division	Dairy pasture feed condition <u>1/</u>			"Grain" fed per milk cow <u>2/</u>		
	Oct. 1, av. 1949-58	Oct. 1, 1959	Oct. 1, 1960	Oct. 1, av. 1949-58	Oct. 1, 1959	Oct. 1, 1960
	Percent	Percent	Percent	Pounds	Pounds	Pounds
Me.	80	89	76	5.8	6.2	6.8
N. H.	80	93	88	5.1	6.4	6.6
Vt.	81	86	81	4.8	5.5	6.1
Mass.	75	89	88	6.0	6.6	7.2
Conn.	78	86	87	6.4	7.1	7.6
N. Y.	78	69	71	6.0	6.7	7.0
N. J.	73	73	85	7.2	7.5	8.1
Pa.	74	60	81	7.2	8.1	8.0
N. Atl.	76	69	79	6.1	6.9	7.3
Ohio.....	78	63	71	5.6	7.3	6.9
Ind.	79	73	77	5.2	6.4	6.7
Ill.	76	78	74	5.1	6.1	6.2
Mich.	81	87	82	5.6	6.4	7.0
Wis.	78	92	90	4.2	4.9	5.4
E. N. Cent.	78	82	81	4.9	5.8	6.1
Minn.	77	83	86	3.5	4.8	5.2
Iowa.....	77	93	92	5.2	5.9	6.1
Mo.	66	68	58	4.5	5.8	6.4
N. Dak.	72	52	71	3.4	4.7	4.5
S. Dak.	71	53	81	3.1	4.2	4.0
Nebr.	73	75	80	3.8	5.2	5.1
Kans.	65	82	82	4.6	6.4	6.2
W. N. Cent.	73	79	82	4.1	5.3	5.5
Md.	79	64	86	6.4	7.1	7.0
Va.	76	67	89	4.7	7.0	6.9
W. Va.	77	51	87	3.0	4.3	4.0
N. C.	75	86	85	4.8	6.1	6.5
S. C.	70	82	77	4.3	4.9	5.0
Ga.	72	82	79	4.2	5.1	6.0
S. Atl.	75	73	85	4.5	5.8	5.9
Ky.	75	75	83	3.7	5.1	4.7
Tenn.	70	84	82	3.8	4.7	4.7
Ala.	71	82	82	3.9	4.2	4.2
Miss.	70	83	77	2.8	3.8	3.5
Ark.	67	80	74	3.3	4.2	5.2
La.	76	88	74	3.2	4.0	4.2
Okla.	63	85	85	4.1	5.6	6.3
Tex.	60	81	79	4.6	5.5	4.0
S. Cent.	67	82	80	3.8	4.7	4.5
Mont.	77	74	70	3.2	4.0	3.6
Idaho.....	84	86	79	3.8	4.7	4.5
Wyo.	77	73	62	3.0	4.4	4.0
Colo.	69	69	66	4.9	5.2	6.4
Utah.....	77	73	65	4.2	5.0	5.1
Wash.	72	81	72	4.9	6.1	6.5
Oreg.	74	84	80	4.7	4.8	5.1
Calif.	77	70	72	5.3	7.5	7.0
West.....	75	76	72	4.8	6.2	6.1
U. S.	74	78	80	4.63	5.71	5.86

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.

2/ 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. Includes grain, millfeeds, and other concentrates.

OFFICIAL BUSINESS

(Continued from page 4)

Western dairy pastures below average

Pasture condition for dairy herds was 3 points below average for October 1 in the West, with only New Mexico and Oregon above average. After an improvement of 2 points from September 1, Wyoming pasture condition was still 15 points below average on October 1. Lack of irrigation water dropped October 1 pasture condition far below average in both Utah and Nevada.