

MILK PRODUCTION

November 12, 1964

Special in this issue
THE 1964 DAIRY PASTURE SEASON
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SUMMARY

Milk production in the United States during October is estimated at 9,652 million pounds -- 1 percent more than a year earlier and 2 percent above the 1958-62 average for the month. On a daily basis, October production was down 3 percent from September, about the same seasonal decline as in 1963. October milk production amounted to 1.62 pounds per person daily, the same per-capita rate as in October last year. Production per cow, at 605 pounds, was about 4 percent above October a year ago.

Condition of dairy pasture feed was reported at 67 percent of normal on November 1, down 4 points from a month earlier. Condition was 6 points better than the unusually low national average of 61 percent on November 1, 1963, but 15 points below the 1958-62 average for the date. Most of the Nation received very light rainfall during October.

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	734	11,901	11,841	11,790	-0.4
July.....	617	658	675	10,913	10,861	10,824	-0.3
August.....	573	615	636	10,114	10,130	10,177	+0.5
September...	536	582	602	9,450	9,558	9,626	+0.7
October.....	540	584	605	9,489	9,557	9,652	+1.0
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,
October 1964, with comparisons

State	Monthly milk per cow 1/			Milk production			
	Oct. av. 1958-62 2/	Oct. 1963	Oct. 1964	Oct. av. 1958-62 2/	Oct. 1963	Oct. 1964	Change from 1963
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	745	730	-	67	65	- 3
New Hampshire.....	-	665	685	-	33	33	0
Vermont.....	-	630	625	-	158	154	- 3
Massachusetts.....	-	770	760	-	66	64	- 3
Rhode Island.....	-	755	760	-	9.1	8.7	- 4
Connecticut.....	-	775	790	-	59	58	- 2
New York.....	643	671	695	804	808	828	+ 2
New Jersey.....	712	770	770	92	89	86	- 3
Pennsylvania.....	609	645	660	537	541	537	- 1
Ohio.....	649	680	705	440	421	419	0
Indiana.....	613	665	700	264	262	272	+ 4
Illinois.....	576	620	640	330	308	302	- 2
Michigan.....	679	750	770	438	467	476	+ 2
Wisconsin.....	599	650	650	1,290	1,379	1,375	0
Minnesota.....	467	490	525	597	618	658	+ 6
Iowa.....	506	560	580	432	436	443	+ 2
Missouri.....	427	450	470	283	269	268	0
North Dakota.....	400	420	435	111	105	107	+ 2
South Dakota.....	381	415	410	95	94	92	- 2
Nebraska.....	428	480	500	139	135	134	- 1
Kansas.....	456	520	530	153	156	152	- 3
Delaware.....	-	615	635	-	14.1	14.0	- 1
Maryland.....	603	630	635	131	133	131	- 2
Virginia.....	522	530	570	174	162	166	+ 2
West Virginia.....	424	440	448	55	49	47	- 4
North Carolina.....	488	515	540	132	128	131	+ 2
South Carolina.....	417	460	489	46	45	45	0
Georgia.....	400	430	450	87	81	81	0
Florida.....	558	625	665	105	111	118	+ 6
Kentucky.....	413	450	468	208	214	213	0
Tennessee.....	372	375	395	184	176	176	0
Alabama.....	325	357	380	79	76	77	+ 1
Mississippi.....	281	320	335	102	95	94	- 1
Arkansas.....	340	340	365	75	63	62	- 2
Louisiana.....	-	382	410	-	83	84	+ 1
Oklahoma.....	460	520	540	117	108	107	- 1
Texas.....	415	476	520	239	242	249	+ 3
Montana.....	445	460	460	35	32	30	- 6
Idaho.....	605	635	625	121	122	117	- 4
Wyoming.....	484	537	540	14.5	13.8	13.5	- 2
Colorado.....	545	625	660	67	68	68	0
New Mexico.....	-	600	610	-	24	25	+ 4
Arizona.....	-	810	840	-	41	44	+ 7
Utah.....	645	680	690	61	61	59	- 3
Nevada.....	619	720	770	9.3	10.1	10.8	+ 7
Washington.....	665	726	755	155	159	163	+ 3
Oregon.....	522	545	550	83	77	75	- 3
California.....	807	850	894	661	676	706	+ 4
Alaska.....	-	730	760	-	1.9	1.9	0
Hawaii.....	-	775	835	-	10.9	12.0	+10
United States.....	540	584	605	9,489	9,557	9,652	+ 1.0

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

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

Milk production continues 1 percent more than a year earlier

Milk production in the United States during October is estimated at 9,652 million pounds -- 1 percent more than a year earlier and 2 percent above the 1958-62 average for the month. On a daily basis, October production was down 3 percent from September, about the same seasonal decline as in 1963. October milk production amounted to 1.62 pounds per person daily, the same rate as in October last year.

October milk production was above a year earlier in 18 States, including six of the top ten for October -- New York, California, Minnesota, Michigan, Iowa, and Indiana. Production was slightly below October 1963 in Wisconsin, Pennsylvania, and Ohio and down 2 percent in Illinois. New record highs in October milk production were set in 9 States.

October rate per cow 4 percent above a year ago

October milk production per cow averaged 605 pounds, compared with 602 pounds in September and 584 pounds in October 1963. The October rate was about 4 percent above a year earlier. The average daily rate of 19.5 pounds per cow during October was 3 percent less than in September -- the same change as at this season last year. October production per cow was at record levels in all except 5 States. California, with 894 pounds of milk per cow led all States, followed by Arizona with 840, and Hawaii with 835 pounds. In October, there were 14 States with a monthly rate of 700 or more pounds of milk produced per cow compared with 12 States a year earlier.

October milk-feed price ratio 2 percent above last year

The milk-feed price ratio for October was 1.48, compared with 1.45 a year earlier and the 1958-62 average for the month of 1.55. The improvement from October a year ago resulted from an increase of 5 cents per hundredweight in the average milk price received by farmers and a 2-cent decrease in the value of grain and concentrates. The seasonal increase in the ratio from September to October was 4 percent this year compared with 3 percent last year. In cream-selling areas, the October milkfat-feed price ratio was 23.8 compared with 23.0 a year earlier and the 5-year October average of 25.5.

Table 3.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, October 1964, with comparisons

Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Oct. av. 1958-62	Oct. 1963	Sept. 1964	Oct. 1964	Oct. av. 1958-62	Oct. 1963	Sept. 1964	Oct. 1964
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	5.24	5.14	4.95	5.13	3.49	3.65	3.56	3.60
E. N. Cent.	3.95	3.90	3.88	3.99	2.65	2.80	2.88	2.82
W. N. Cent.	3.67	3.59	3.60	3.67	2.25	2.42	2.46	2.42
S. Atl.	5.63	5.65	5.51	5.74	3.29	3.43	3.33	3.32
S. Cent.	4.93	4.92	4.71	5.01	2.96	3.17	3.14	3.12
West.	4.53	4.44	4.36	4.48	3.11	3.20	3.26	3.24
U. S.								
Milk areas.....	4.49	4.43	4.33	4.48	2.89	3.05	3.05	3.03
Cream area.....	-	-	-	-	2.38	2.53	2.54	2.50
Milk and cream areas.....	-	-	-	-	2.85	3.02	3.03	3.01

Table 4.-Milk-feed and milkfat-feed price ratios, by regions, October 1964, with comparisons

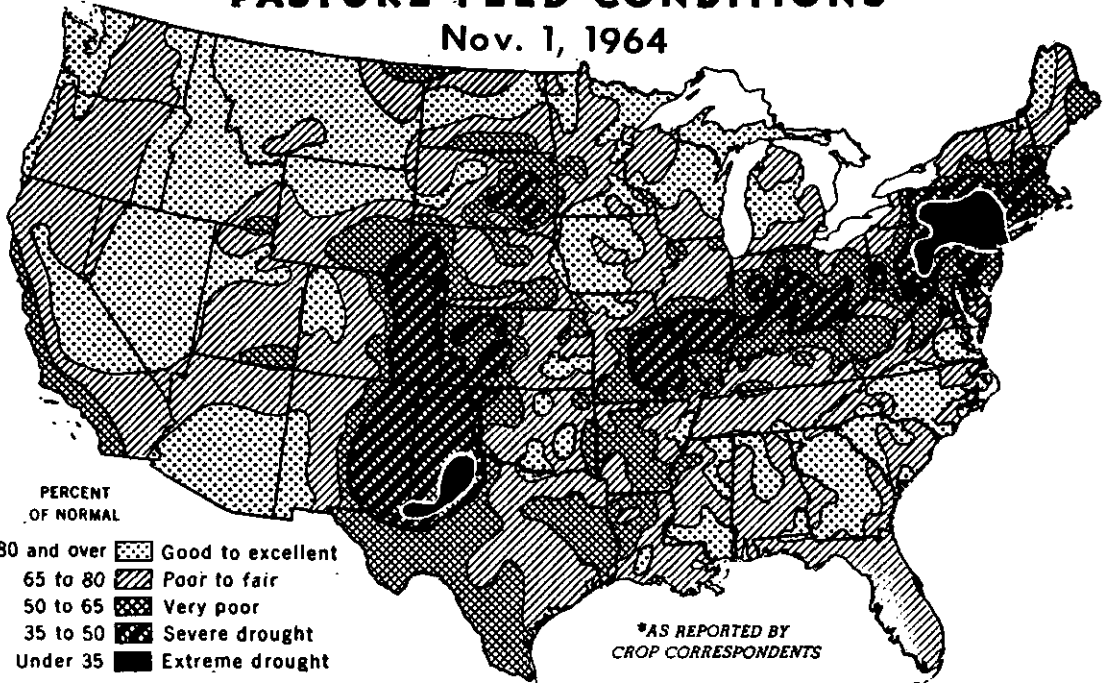
Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Oct. av. 1958-62	Oct. 1963	Sept. 1964	Oct. 1964	Oct. av. 1958-62	Oct. 1964	Sept. 1964	Oct. 1964
N. Atl.	1.50	1.41	1.39	1.42	-	-	-	-
E. N. Cent.	1.49	1.39	1.35	1.41	21.2	19.8	19.5	19.9
W. N. Cent.	1.64	1.48	1.46	1.52	27.8	24.3	24.4	25.0
S. Atl.	1.71	1.65	1.65	1.73	-	-	-	-
S. Cent.	1.67	1.55	1.50	1.61	17.5	16.4	16.4	16.5
West.	1.46	1.39	1.34	1.38	19.2	18.3	17.7	18.0
U. S.	1.55	1.45	1.42	1.48	25.5	23.0	23.2	23.8

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.

PASTURE FEED CONDITIONS*

Nov. 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

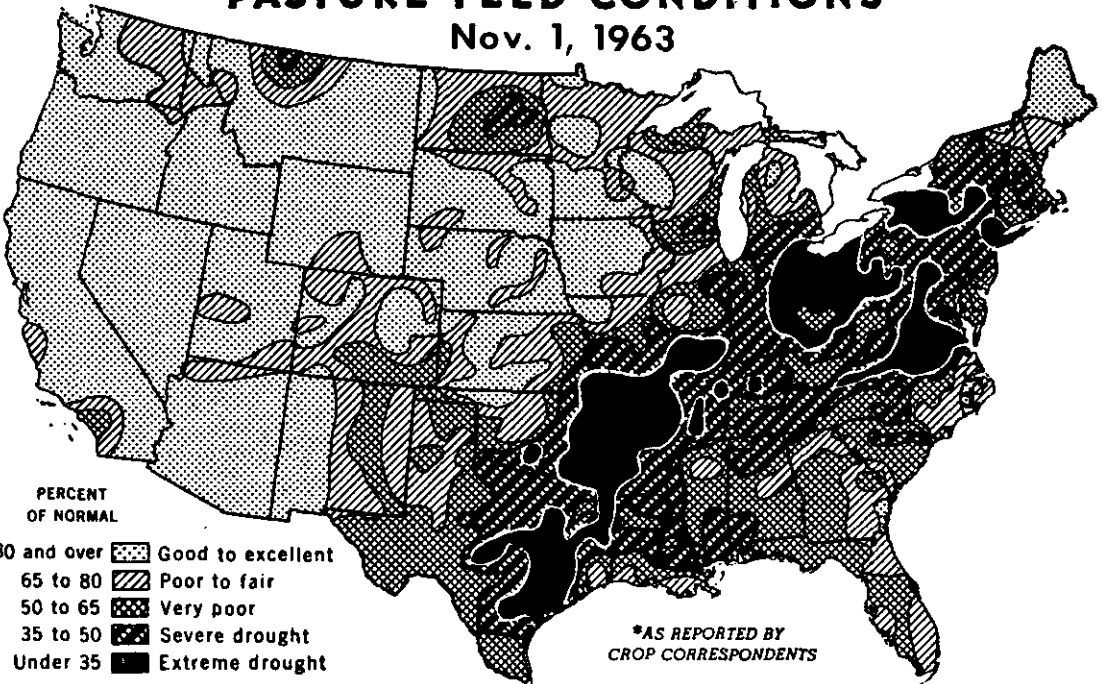
*INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 101-64 (11) STATISTICAL REPORTING SERVICE

PASTURE FEED CONDITIONS*

Nov. 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
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*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 73-63 (11) STATISTICAL REPORTING SERVICE

Dairy pasture condition declined 4 points during October

For most of the Nation, October was generally dry limiting improvement of pasture feed condition. October temperatures averaged above normal in the Rocky Mountain area and westward, in contrast to below normal for the remainder of the country. During October, most areas received less than normal quantities of precipitation. Exceptions were parts of California, eastern Gulf States, and most of the South Atlantic Region. November 1 dairy pasture feed condition at 67 percent of normal, was 4 points below a month earlier and 15 points under the 1958-62 average for the date. However, dairy pastures were somewhat better than the unusually low national average of 61 percent for November 1 last year.

Pasture feed continued very short through October in the North Atlantic States. There were drought conditions in Pennsylvania, New Jersey, and New York, and very poor conditions generally in the New England States. Pasture condition in these States ranged from 19 to 40 percentage points below the 5-year average for the date but was somewhat better than last year's condition. Livestock received comparatively little feed from pastures during October. However, short roughage supplies prompted dairymen to allow cattle to forage in meadows and harvested corn fields.

November pasture feed condition in the South Atlantic States was much improved from a year ago, with increases ranging from 9 points in Delaware to 37 in Virginia. Late September and early October rains improved pasture condition in Delaware, Maryland, Virginia, and West Virginia. Some areas in the Carolinas suffered from excessive soil moisture in October, but pastures supplied better than average grazing for the month.

Continued on page 8.

Table 5.-Dairy pasture feed condition, as percentage of normal, November 1, 1964, with comparisons 1/

State and division	Nov. 1 av. 1958-62	Nov. 1, 1963	Nov. 1, 1964	State and division	Nov. 1, av. 1958-62	Nov. 1, 1963	Nov. 1, 1964
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	89	70	70	N. C.	78	58	81
N. H.	92	59	54	S. C.	71	59	79
Vt.	90	59	68	Ga.	72	62	80
Mass.	90	53	53	Fla.	77	62	78
R. I.	93	55	61	S. Atl. ..	76	50	72
Conn.	87	59	50	Ky.	81	44	60
N. Y.	83	35	43	Tenn.	78	44	74
N. J.	76	46	36	Ala.	74	50	76
Pa.	75	38	49	Miss.	77	51	76
N. Atl.	81	42	49	Ark.	79	30	63
Ohio.....	80	25	52	La.	78	52	71
Ind.	86	45	54	Okla.	86	49	68
Ill.	85	55	57	Tex.	84	44	63
Mich.	87	57	79	S. Cent. .	81	45	67
Wis.	85	69	77	Mont.	73	86	82
E. N. Cent. .	85	54	67	Idaho.....	85	90	83
Minn.	79	83	75	Wyo.	76	85	67
Iowa.....	92	83	82	Colo.	79	75	51
Mo.	79	49	60	N. Mex.	82	74	53
N. Dak.	64	65	71	Ariz.	82	83	86
S. Dak.	70	86	58	Utah.....	73	85	77
Nebr.	83	84	64	Nev.	78	91	83
Kans.	87	69	64	Wash.	79	89	88
W. N. Cent. .	82	77	71	Oreg.	84	91	77
Del.	77	52	61	Calif.	76	87	73
Md.	74	48	62	West.	78	86	74
Va.	79	30	67	U. S.	82	61	67
W. Va.	79	47	60				

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

THE 1964 PASTURE SEASON

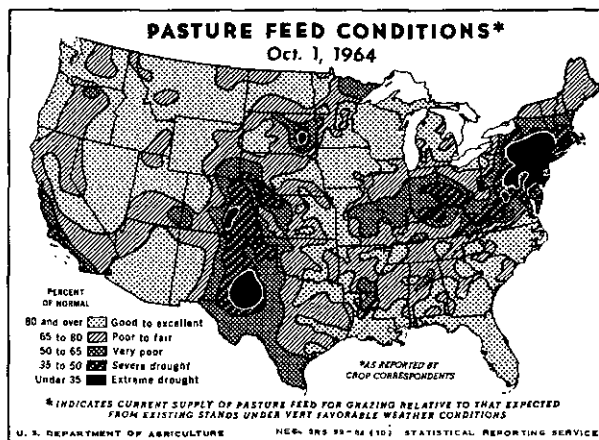
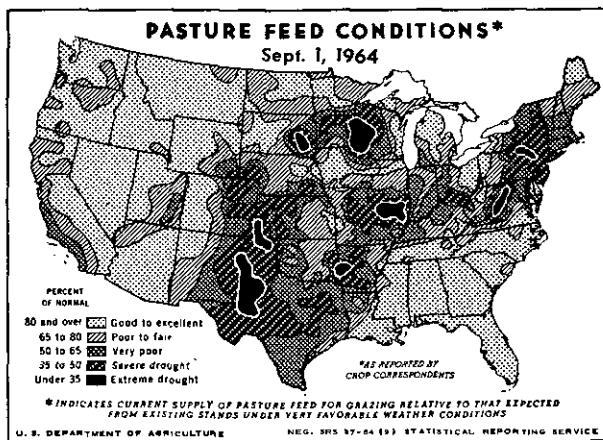
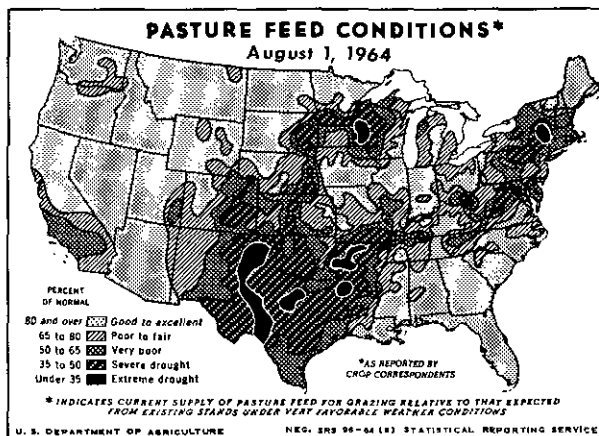
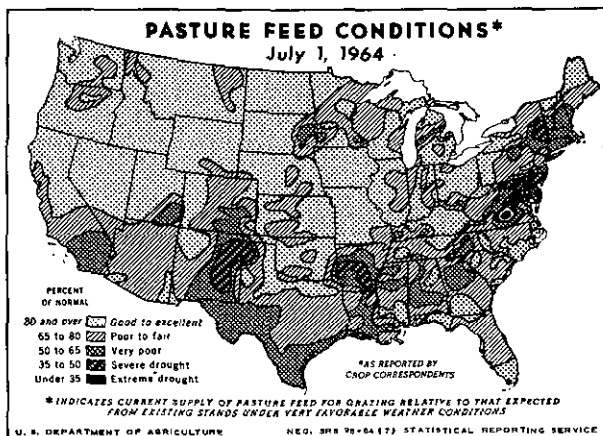
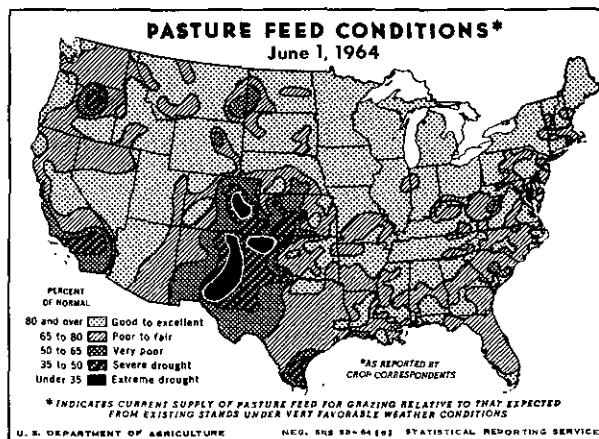
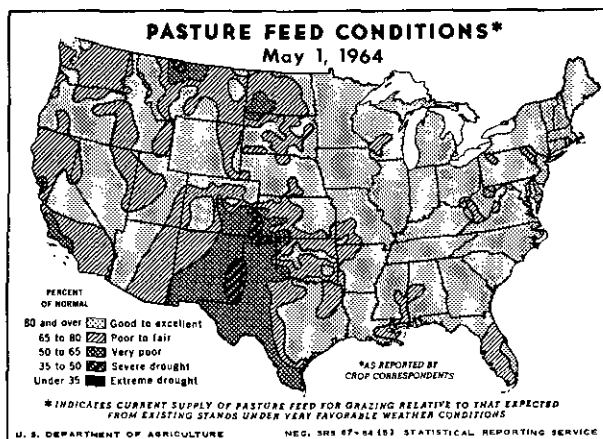


Table 6.-Dairy pasture feed condition reported as percentage of normal, first-of-month and season average, 1964 and 1958-62 average 1/

State and division	April 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1	Season average 2/	1958-62 season average 2/
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me.	90	89	92	73	77	72	71	70	79	89
N. H.	88	90	87	58	63	57	60	54	68	88
Vt.	91	88	93	74	73	68	69	68	77	88
Mass.	91	92	75	55	57	55	45	53	62	87
R. I.	90	89	70	63	68	64	72	61	69	87
Conn.	85	91	85	64	58	59	50	50	67	88
N. Y.	91	88	88	70	56	54	43	43	67	81
N. J.	81	88	78	55	64	42	28	36	59	79
Pa.	81	86	85	74	64	61	45	49	69	80
N. Atl.	-	88	86	69	62	58	46	49	68	82
Ohio	77	89	89	85	76	70	57	52	78	84
Ind.	83	90	86	83	87	61	58	54	78	88
Ill.	82	89	86	81	75	54	66	57	75	87
Mich.	89	93	94	81	75	77	81	79	83	84
Wis.	80	86	96	76	52	51	84	77	73	83
E. N. Cent. ...	-	89	92	80	68	60	73	67	76	85
Minn.	87	88	92	78	61	58	80	75	75	82
Iowa.	84	88	93	92	85	74	90	82	87	91
Mo.	71	84	81	86	71	58	74	60	75	81
N. Dak.	68	74	81	86	86	76	78	71	81	67
S. Dak.	79	82	86	74	64	59	65	58	71	74
Nebr.	82	86	79	84	69	66	74	64	76	87
Kans.	72	78	66	83	64	62	71	64	71	87
W. N. Cent. ...	72	85	85	84	71	64	78	71	77	83
Del.	84	90	77	49	60	49	40	61	61	81
Md.	78	89	80	56	65	54	37	62	64	80
Va.	78	89	83	61	65	60	60	67	70	86
W. Va.	76	83	78	74	68	67	56	60	71	82
N. C.	81	89	77	72	81	89	85	81	82	84
S. C.	76	86	72	75	85	87	83	79	81	78
Ga.	76	86	79	68	89	90	80	80	81	79
Fla.	78	78	69	73	89	92	86	78	81	81
S. Atl.	78	87	78	67	75	74	67	72	75	82
Ky.	74	88	83	79	73	63	57	60	74	87
Tenn.	75	89	85	72	75	84	76	74	80	83
Ala.	65	84	82	68	86	90	76	76	79	78
Miss.	67	84	80	69	82	87	76	76	78	77
Ark.	70	82	79	62	45	55	73	63	67	80
La.	68	86	75	64	73	82	82	71	76	77
Okla.	64	71	72	82	50	59	75	68	68	85
Tex.	70	73	63	68	43	51	64	63	62	79
S. Cent.	68	80	76	72	62	67	70	67	71	82
Mont.	78	77	82	93	91	89	85	82	87	74
Idaho.	86	79	83	93	92	90	83	83	87	86
Wyo.	73	83	83	88	83	80	77	67	82	79
Colo.	71	75	55	74	61	57	54	51	62	82
N. Mex.	60	53	45	56	51	51	55	53	53	78
Ariz.	74	79	83	79	84	88	86	86	82	84
Utah.	80	80	84	90	86	81	78	77	83	76
Nev.	80	79	81	94	89	88	87	83	86	79
Wash.	86	79	77	89	92	91	90	88	86	82
Oreg.	85	81	80	88	88	85	82	77	84	86
Calif.	70	73	72	79	76	72	70	73	73	78
West.	76	76	74	84	81	79	75	74	78	80
U. S.	72	85	84	78	69	65	71	67	75	83

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

2/ Season figures are weighted averages of reports on the first of each month during the period milk cows are on pasture.

OFFICIAL BUSINESS

Table 7.--Dairy pasture feed condition reported as percentage of normal,
 first-of-month and season average, United States, 1953-64

Year	April 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1	Weighted av. for season
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
5-year average 1958-62	77	85	86	86	82	80	81	82	83
1953.....	78	82	88	81	74	65	58	52	75
1954.....	69	83	81	82	65	69	68	73	75
1955.....	64	82	81	84	76	71	67	74	77
1956.....	66	71	76	78	78	75	68	63	75
1957.....	75	87	89	90	83	73	81	82	83
1958.....	80	89	86	87	88	84	84	82	86
1959.....	75	82	87	84	77	79	78	84	81
1960.....	70	86	89	89	83	81	80	79	84
1961.....	84	85	85	85	83	82	82	80	83
1962.....	77	84	82	84	79	73	79	82	80
1963.....	74	80	79	79	71	73	71	61	76
1964.....	72	85	84	78	69	65	71	67	75

(Continued from page 5)

Continued shortage of rainfall in October caused pasture feed supplies to dwindle in the North-Central States as the growing season neared the end. Although livestock were allowed to supplement pasture feed with gleanings from stalk fields, increased feeding of grains and supplemental roughage was common. New seedings of small grains had not made sufficient growth to supply much forage but the feed supply is deemed generally adequate.

Pastures in the South Central States on November 1 were greatly improved from the same date last year. Gains ranged from 16 percentage points in Kentucky to 33 in Arkansas. However, condition in most States was below October 1 and substantially below the 5-year average for November 1. Prospects for pasture feed were good in early October as a result of late September and early October rains, but heavy frost about the 10th of the month slowed growth in some States, and dry weather prevailed in most of the area until late October. Light showers brought some relief near the end of the month. More rain is needed for growth of small grains.

Pastures deteriorated generally during October in the Western States. By November 1, condition as a percent of normal was below a year earlier except in Arizona. Drought still persisted in Eastern Colorado and very little pasture feed was available throughout the Eastern slope area. In other areas -- except for parts of California -- rainfall was light during October and there was little growth of late maturing grasses. However, temperatures were mild and favored extensive gleaning of crop residues.