

MILK PRODUCTION

November 14, 1966

Special in this issue
THE 1966 DAIRY PASTURE SEASON
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SUMMARY

Milk production in the United States during October is estimated at 9,426 million pounds, about the same as a year earlier. For the first 10 months this year, production totaled about 3 percent less than in the same period last year. October milk production provided 1.54 pounds per person daily, compared with 1.56 pounds a year earlier. Output per cow averaged 655 pounds in October, about 5 percent above a year earlier.

Reported condition of dairy pastures averaged 75 percent of normal on November 1. This is 8 points below the unusually good condition last year, but 1 point above the 1960-64 average for November 1. Condition declined 1 point in October. October rainfall was spotty and below normal in most of the country. The October milk-feed price ratio at 1.69 is 12 percent above both the ratio of 1.51 a year earlier and the average.

Table 1.-Milk per cow and milk production, by months, United States, 1966, with comparisons

Month	Milk per cow			Milk production			
	Average 1960-64	1965	1966	Average 1960-64	1965	1966	Change from 1965
	Pounds	Pounds	Pounds	Million Pounds	Million Pounds	Million Pounds	Percent
January.....	587	658	658	10,028	10,419	9,865	-5.3
February.....	565	622	620	9,634	9,820	9,254	-5.8
March.....	642	709	716	10,932	11,155	10,645	-4.6
April.....	659	722	735	11,197	11,305	10,874	-3.8
May.....	728	782	794	12,347	12,206	11,707	-4.1
June.....	701	756	780	11,872	11,742	11,397	-2.9
July.....	644	702	722	10,888	10,856	10,506	-3.2
August.....	602	653	676	10,158	10,046	9,799	-2.5
September.....	567	615	646	9,555	9,404	9,328	-0.8
October.....	573	621	655	9,634	9,446	9,426	-0.2
Jan.-Oct. total.	-	-	-	106,245	106,399	102,801	-3.4
November.....	551	602		9,252	9,106		
December.....	584	635		9,788	9,555		
Annual.....	7,407	8,080		125,285	125,061		

Table 2.-Monthly milk per cow and milk production,
October 1966, with comparisons

State	Monthly milk per cow 1/			Milk production			
	Oct. av. 1960-64 2/	Oct. 1965	Oct. 1966	Oct. av. 1960-64 2/	Oct. 1965	Oct. 1966	Change from 1965
	Pounds	Pounds	Pounds	Million pounds	Million pounds	Million pounds	Percent
Maine.....	-	760	765	-	61	58	- 5
New Hampshire.....	-	700	730	-	29	28	- 3
Vermont.....	-	680	710	-	157	152	- 3
Massachusetts.....	-	825	850	-	64	62	- 3
Rhode Island.....	-	795	815	-	8.1	7.5	- 7
Connecticut.....	-	815	830	-	58	57	- 2
New York.....	676	733	750	832	850	821	- 3
New Jersey.....	746	800	830	91	84	80	- 5
Pennsylvania.....	636	715	740	545	555	548	- 1
Ohio.....	680	760	765	435	424	405	- 4
Indiana.....	658	750	755	266	266	247	- 7
Illinois.....	613	660	670	319	288	267	- 7
Michigan.....	728	790	795	459	468	438	- 6
Wisconsin.....	633	650	690	1,347	1,332	1,372	+ 3
Minnesota.....	494	495	545	628	597	610	+ 2
Iowa.....	542	560	625	440	398	402	+ 1
Missouri.....	442	480	540	274	256	261	+ 2
North Dakota.....	418	395	470	108	86	92	+ 7
South Dakota.....	403	420	480	96	92	99	+ 8
Nebraska.....	463	485	530	138	128	131	+ 2
Kansas.....	492	505	575	152	132	135	+ 2
Delaware.....	-	650	640	-	14.3	13.4	- 6
Maryland.....	623	680	690	133	137	135	- 1
Virginia.....	536	590	610	169	163	163	0
West Virginia.....	434	460	490	51	46	45	- 2
North Carolina.....	515	570	600	131	131	134	+ 2
South Carolina.....	447	500	515	45	43	41	- 5
Georgia.....	421	495	550	83	83	85	+ 2
Florida.....	600	650	660	110	116	119	+ 3
Kentucky.....	440	495	550	212	210	220	+ 5
Tennessee.....	387	420	460	185	184	192	+ 4
Alabama.....	349	410	440	78	78	80	+ 3
Mississippi.....	310	355	390	99	94	95	+ 1
Arkansas.....	354	400	430	70	63	62	- 2
Louisiana.....	-	430	450	-	86	87	+ 1
Oklahoma.....	507	570	615	113	106	109	+ 3
Texas.....	464	550	595	244	248	252	+ 2
Montana.....	457	465	475	33	30	29	- 3
Idaho.....	624	625	675	121	110	111	+ 1
Wyoming.....	511	540	535	14.2	13.7	13.1	- 4
Colorado.....	587	625	655	67	65	66	+ 2
New Mexico.....	-	625	610	-	25	25	0
Arizona.....	-	880	890	-	45	46	+ 2
Utah.....	668	700	735	61	59	58	- 2
Nevada.....	673	825	850	10.0	11.3	11.5	+ 2
Washington.....	708	780	790	160	168	163	- 3
Oregon.....	538	560	580	80	71	71	0
California.....	851	896	930	684	698	714	+ 2
Alaska.....	686	750	805	1.78	1.65	1.53	- 7
Hawaii.....	792	835	815	11.3	13.1	12.2	- 7
United States.....	573	621	655	9,634	9,446	9,426	- 0.2

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.

October milk production close to last year

Milk production in the United States during October is estimated at 9,426 million pounds, about the same as a year earlier. For the first 10 months this year, production totaled about 3 percent less than in the same period last year. On a daily average basis, production declined 2 percent from September, slightly less than the decline a year ago. October milk production provided 1.54 pounds per person daily, compared with 1.56 pounds a year earlier.

In Wisconsin and all of the West North Central States, milk production was further above a year earlier in October than in September. Production continued below a year earlier in all of the North Atlantic States and in all East North Central States except Wisconsin. In New York and Pennsylvania, October production moved up closer to a year earlier.

Milk per cow gains 5 percent

Milk output per cow in October averaged 655 pounds -- up 5 percent from the 621 pounds produced a year earlier. The rate per cow was a record high for the month in all but 4 States. Gains in output over a year earlier were particularly strong in the West North Central, South Atlantic, and South Central Regions. Daily production per cow averaged 21.1 pounds in October compared with 21.5 in September. This decline in daily milk per cow was about the same as average.

California's October output per cow, 930 pounds, was the largest in the Nation, followed by 890 pounds in Arizona, 850 pounds in both Nevada and Massachusetts, 830 pounds in Connecticut and New Jersey, and 815 in Rhode Island and Hawaii.

Milk-feed price ratio up 12 percent from year earlier

The October milk-feed price ratio at 1.69 is 12 percent above the ratio of 1.51 a year ago and the October 1960-64 average. The more favorable October ratio resulted from a 19-percent increase in wholesale milk prices from a year earlier, while the value of concentrate ration was up only 6 percent. In cream-selling areas, the October milkfat-feed price ratio was 25.2 compared with 23.8 last year and 24.7, the average.

Table 3.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, October 1966, with comparisons

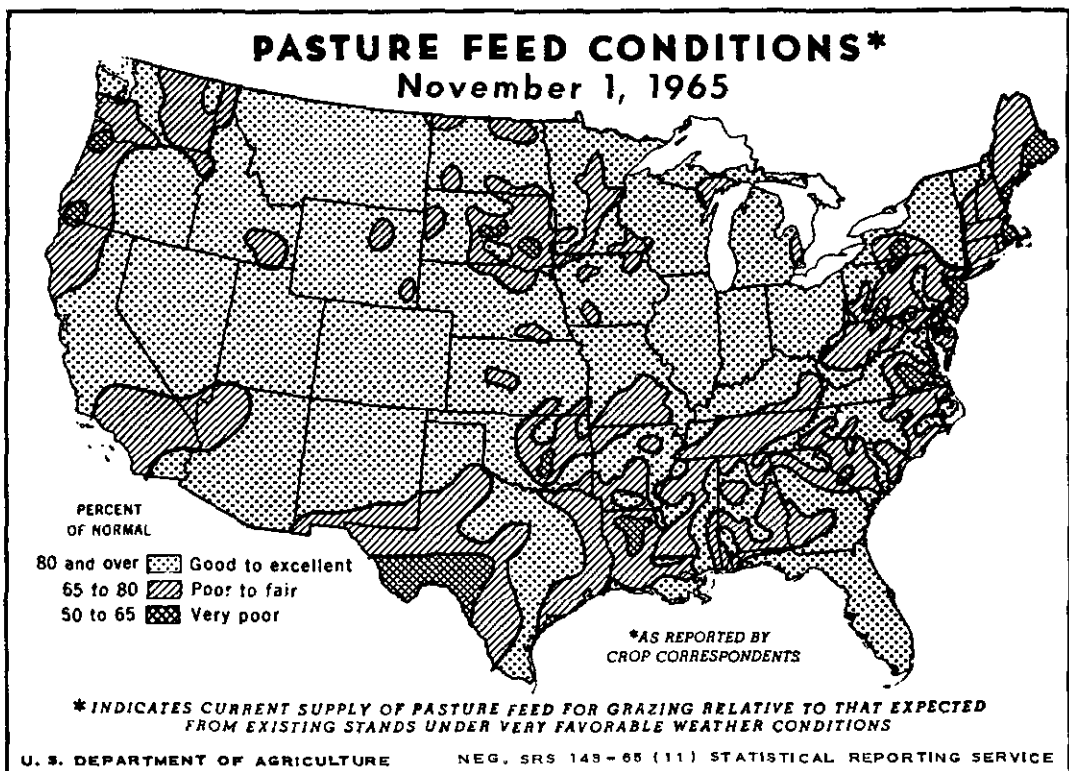
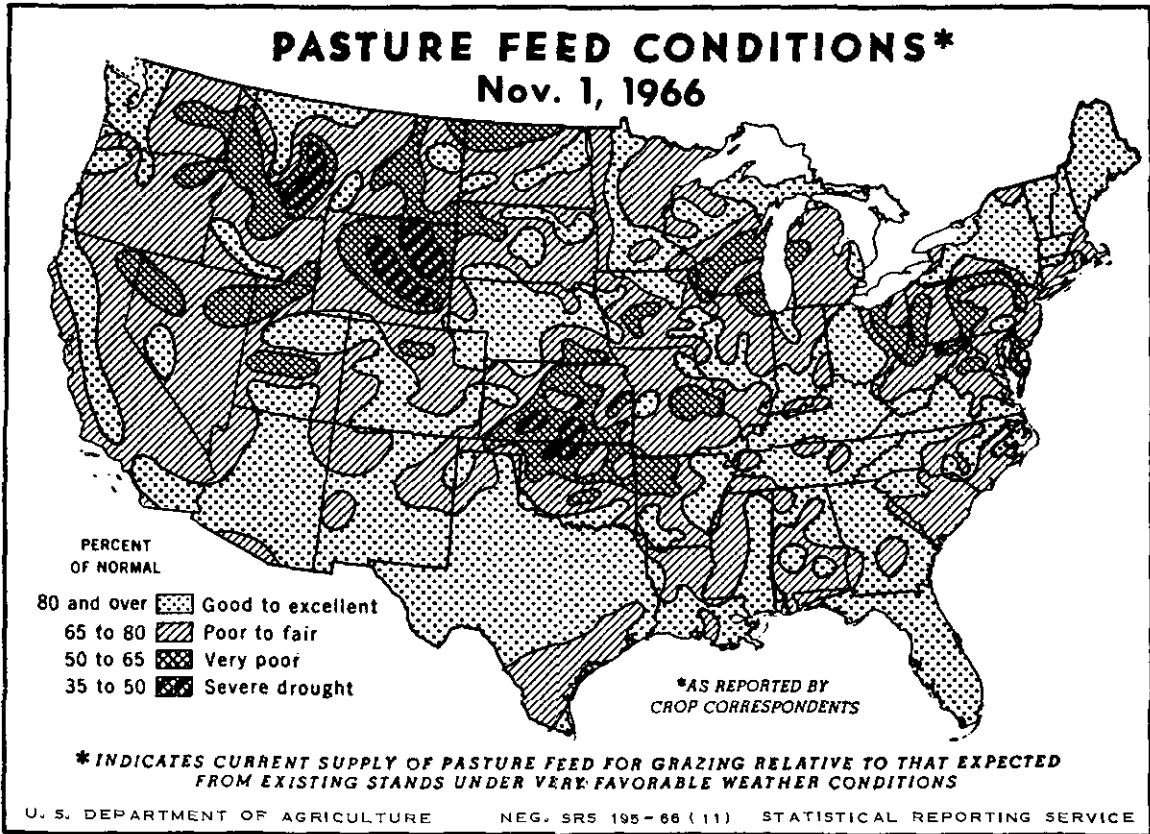
Region	Milk price per 100 pounds				Ration value per 100 pounds			
	Oct. av. 1960-64	Oct. 1965	Sept. 1966	Oct. 1966	Oct. av. 1960-64	Oct. 1965	Sept. 1966	Oct. 1966
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
N. Atl.	5.11	5.18	5.69	5.86	3.54	3.56	3.74	3.74
E. N. Cent. ..	3.98	4.09	5.03	5.17	2.72	2.85	3.08	3.00
W. N. Cent. ..	3.66	3.80	4.66	4.75	2.35	2.50	2.78	2.74
S. Atl.	5.63	5.69	6.20	6.45	3.32	3.30	3.59	3.57
S. Cent.	4.94	5.09	5.72	6.03	3.04	3.08	3.29	3.27
West.	4.50	4.58	5.03	5.22	3.15	3.18	3.23	3.24
U. S.								
Milk areas....	4.46	4.56	5.28	5.44	2.96	3.02	3.24	3.21
Cream areas...	-	-	-	-	2.45	2.57	2.84	2.80
Milk and cream areas.....	-	-	-	-	2.93	3.01	3.23	3.19

Table 4.-Milk-feed and milkfat-feed price ratios, by regions, October 1966, with comparisons

Region	Milk-feed ratio 1/				Milkfat-feed ratio 2/			
	Oct. av. 1960-64	Oct. 1965	Sept. 1966	Oct. 1966	Oct. av. 1960-64	Oct. 1965	Sept. 1966	Oct. 1966
N. Atl.	1.45	1.46	1.52	1.57	-	-	-	-
E. N. Cent. ..	1.46	1.44	1.63	1.72	20.8	20.4	21.5	22.2
W. N. Cent. ..	1.56	1.52	1.68	1.73	26.4	24.8	26.3	26.3
S. Atl.	1.70	1.72	1.73	1.81	-	-	-	-
S. Cent.	1.62	1.65	1.74	1.84	17.3	18.0	17.0	17.2
West.	1.43	1.44	1.56	1.61	18.7	18.7	20.6	20.6
U. S.	1.51	1.51	1.63	1.69	24.7	23.8	25.1	25.2

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.



Dairy pastures poorer than last fall

Reported condition of dairy pastures averaged 75 percent of normal on November 1. This is 8 points below the unusually good condition a year earlier but 1 point above the 1960-64 average for the date. Reported condition declined 1 point in October, compared with the average seasonal decline of 3 points. October rainfall was spotty and below normal in most of the country except for Gulf Coast and South Atlantic areas, and in a broad band from Wyoming to Lake Superior.

In most North Atlantic States, reported condition of pastures for November 1 was the best in 4 years. Pastures responded to drought-breaking rains received in September and October and provided more feed than usual through October. Heavy fall rains also stimulated good pasture growth in most of the South. Reported condition on November 1 was above average for the date in all Southern States except Delaware and Oklahoma. In the drought area of Delaware, Maryland, and northern Virginia, pastures continued to improve during October and will be fully utilized this fall to conserve short supplies of winter feed. Soil moisture has been favorable for fall seedings of grain for winter pasture in most of the South.

October precipitation continued much below normal in large areas of the North Central States limiting fall pasture growth. Reported pasture condition in these States on November 1 was sharply below the unusually good condition a year earlier. In Wisconsin, Iowa and Kansas,

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Table 5.-Dairy pasture feed condition, as percentage of normal, November 1, 1966 with comparisons 1/

State and division	Nov. 1, av. 1960-64	Nov. 1, 1965	Nov. 1, 1966	State and division	Nov. 1, av. 1960-64	Nov. 1, 1965	Nov. 1, 1966
	Percent	Percent	Percent		Percent	Percent	Percent
Me.	79	66	82	N. C.	73	82	82
N. H.	77	76	86	S. C.	67	75	78
Vt.	79	81	85	Ga.	70	80	82
Mass.	75	70	80	Fla.	72	84	83
R. I.	79	72	79	S. Atl. ..	68	77	78
Conn.	72	64	75	Ky.	68	88	87
N. Y.	63	83	86	Tenn.	69	76	81
N. J.	61	57	68	Ala.	67	78	79
Pa.	60	78	66	Miss.	69	76	78
N. Atl.	64	77	75	Ark.	64	79	73
Ohio.....	60	92	80	La.	69	72	81
Ind.	70	94	78	Okla.	76	79	68
Ill.	71	92	76	Tex.	70	77	83
Mich.	78	85	74	S. Cent. .	70	79	79
Wis.	81	85	68	Mont.	76	92	71
E. N. Cent. .	74	88	74	Idaho.....	85	84	71
Minn.	80	78	76	Wyo.	76	89	72
Iowa.....	89	88	75	Colo.	73	97	78
Mo.	67	84	71	N. Mex.	74	78	82
N. Dak.	68	84	68	Ariz.	83	85	82
S. Dak.	75	75	75	Utah.....	77	87	77
Nebr.	81	89	79	Nev.	80	87	72
Kans.	79	87	64	Wash.	81	80	80
W. N. Cent. .	80	83	74	Oreg.	83	72	76
Del.	67	68	67	Calif.	77	80	71
Md.	63	71	67	West.	78	82	75
Va.	66	78	85	U. S.	74	83	75
W. Va.	69	71	71				

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.

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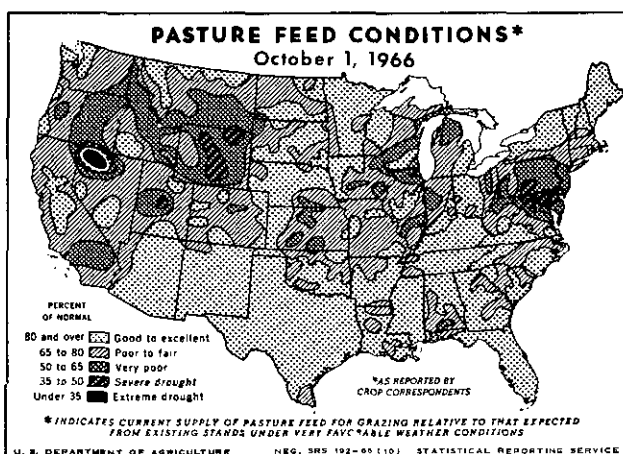
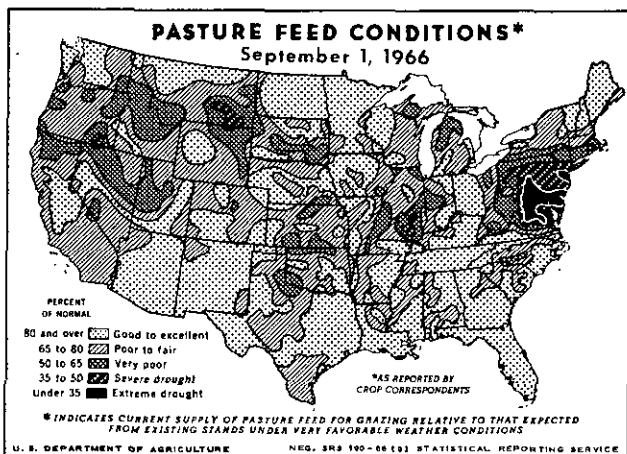
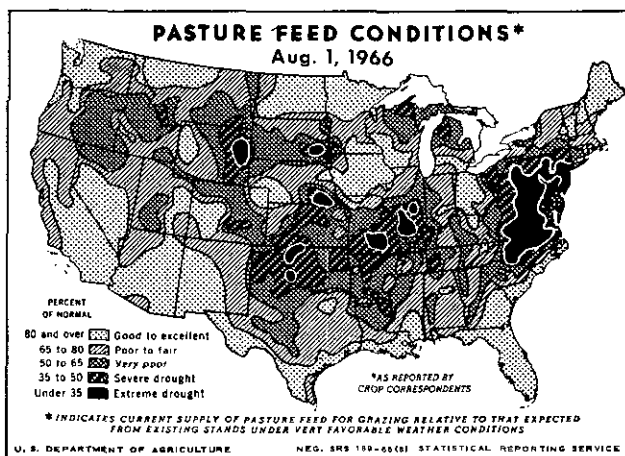
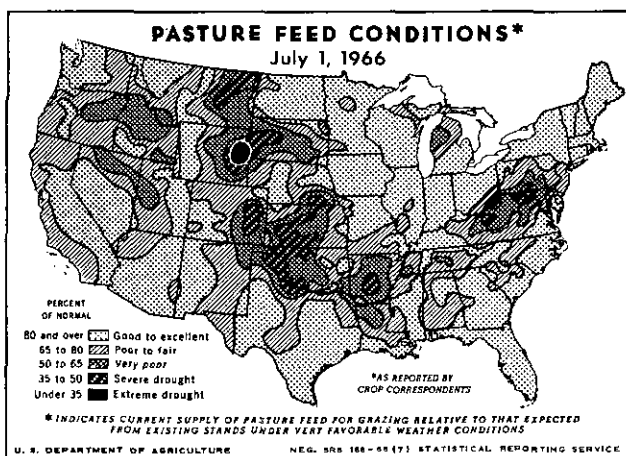
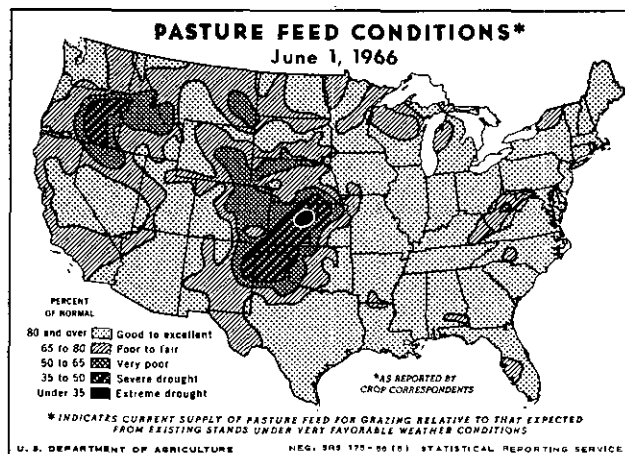
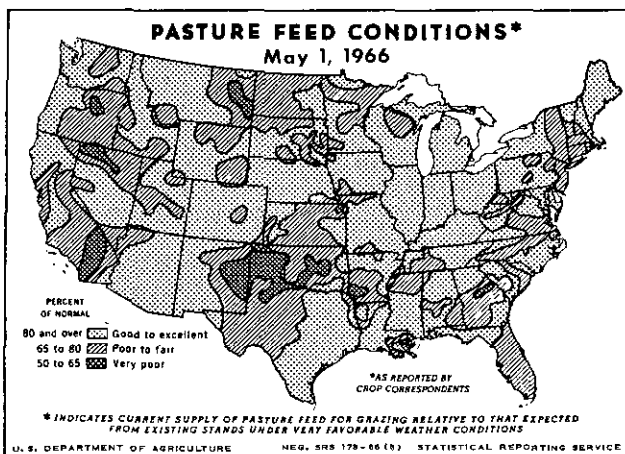


Table 6.-Dairy pasture feed condition reported as percentage of normal, season average 1966, with comparisons, and first-of-month, 1966 1/

State and division	Season average 2/			1966							
	1960-64	1965	1966	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me.	85	72	86	-	85	88	91	87	82	80	82
N. H.	81	68	83	-	86	85	91	78	78	82	86
Vt.	85	72	86	-	82	87	93	83	84	85	85
Mass.	78	63	78	-	80	85	90	73	65	71	80
R. I.	81	64	81	-	84	87	94	82	60	79	79
Conn.	80	61	72	-	80	85	85	63	57	65	75
N. Y.	77	68	80	-	85	88	90	65	71	82	86
N. J.	68	57	59	77	77	88	69	30	33	56	68
Pa.	73	67	66	-	86	89	73	40	49	60	66
N. Atl.	77	67	76	-	84	88	85	60	64	69	75
Ohio.....	79	74	85	88	91	91	83	77	84	82	80
Ind.	84	87	80	91	92	94	86	67	71	73	78
Ill.	82	86	77	90	90	92	88	53	67	72	76
Mich.	84	77	78	-	92	85	84	63	75	74	74
Wis.	80	78	79	-	84	80	88	75	76	71	68
E. N. Cent. .	81	80	79	-	89	86	86	69	75	74	74
Minn.	83	84	83	-	81	84	90	79	83	79	76
Iowa.....	89	83	85	-	85	88	94	87	82	75	75
Mo.	76	83	76	85	83	89	82	51	75	73	71
N. Dak.	75	89	83	-	73	80	87	84	87	77	68
S. Dak.	79	81	71	-	79	76	69	59	70	78	75
Nebr.	83	84	76	-	86	66	76	67	79	84	79
Kans.	80	85	68	87	77	57	60	56	73	73	64
W. N. Cent. .	82	84	79	-	82	80	83	72	80	77	74
Del.	71	74	64	80	90	94	86	42	29	44	67
Md.	72	70	62	84	88	86	70	40	34	52	67
Va.	75	84	72	76	82	91	74	39	69	80	85
W. Va.	77	70	64	72	81	76	54	44	60	69	71
N. C.	81	89	79	83	83	90	83	54	79	82	82
S. C.	77	82	79	77	79	89	81	66	81	78	78
Ga.	79	82	81	75	81	91	84	75	84	80	82
Fla.	79	80	83	79	74	86	89	84	87	85	83
S. Atl.	77	80	74	78	82	88	76	53	68	74	78
Ky.	82	84	82	82	84	93	79	65	84	90	87
Tenn.	80	85	81	79	82	92	74	64	87	86	81
Ala.	76	79	79	72	82	90	79	68	80	81	79
Miss.	73	73	78	72	76	92	76	69	79	83	78
Ark.	73	80	76	79	80	91	62	54	82	82	73
La.	72	75	80	70	83	89	78	74	85	84	81
Okla.	77	81	69	80	71	70	61	48	74	82	68
Tex.	70	73	80	72	79	84	81	69	81	91	83
S. Cent.	75	79	78	75	79	86	74	63	81	86	79
Mont.	79	94	72	-	81	74	72	72	70	69	71
Idaho.....	87	90	74	-	84	77	74	74	69	73	71
Wyo.	79	88	68	-	87	69	63	62	65	70	72
Colo.	73	84	73	89	87	67	68	69	77	77	78
N. Mex.	71	72	75	72	66	63	74	73	84	91	82
Ariz.	82	88	86	92	87	84	82	86	86	86	82
Utah.....	78	90	77	88	87	81	76	75	70	73	77
Nev.	81	92	77	77	76	79	84	76	74	73	72
Wash.	85	82	85	90	88	85	85	88	82	80	80
Oreg.	86	80	77	85	87	77	76	76	69	70	76
Calif.	78	86	76	80	79	76	72	76	74	73	71
West.	80	85	77	-	83	77	75	76	74	75	75
U. S.	80	79	78	3/79	84	84	82	67	75	76	75

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 pastures. 3/ Reported in 30 States.

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Table 7.-Dairy pasture feed condition reported as percentage of normal,
 first-of-month and season average, United States, 1955-66

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 1960-64	75	84	84	83	77	75	77	74	80
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
1965.....	73	81	82	81	75	75	84	83	79
1966.....	<u>1</u> /79	84	84	82	67	75	76	75	78

1/ Reported in 30 States.

(Continued from page 5)

November 1 condition was 13 to 15 points below average for the date. Dry soil delayed use of wheat pastures in Kansas. An unusually hard freeze on November 2 ended pasture growth for the season in most North Central States.

October rainfall was quite spotty in the West, totaling less than $\frac{1}{2}$ inch in large areas. Reported condition on November 1 was below average for the date in all Western States except Colorado, New Mexico and Utah. Condition is poor this fall compared with unusually good pasture feed a year earlier.