

MILK PRODUCTION

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September 11, 1963

~~Periodical Room~~

75

SEP 18 1963

SUMMARY

Milk production in the United States during August was 10,154 million pounds, slightly less than a year earlier and about the same as the 1957-61 average for the month, according to the Crop Reporting Board. Relative to population, August milk production amounted to 1.73 pounds per person daily, compared with 1.85 pounds in July and 1.76 pounds in August a year ago. Production per cow in August was 613 pounds, up 2.5 percent from the same month last year and 10 percent above the August 1957-61 average.

Reported condition of dairy pastures on September 1 averaged 73 percent of normal, compared with 71 percent on August 1. September 1 condition was the same as a year earlier but 7 points below the 1957-61 average for the date. Above normal amounts of rainfall came during August to many areas badly in need of soil moisture and prospects improved for late summer and fall pastures. However, extreme drought conditions continued in most of Virginia and in parts of Arkansas, Oklahoma and Texas.

Table 1.-Milk per cow and milk production by months,
United States, 1963 with comparisons

| Month | Milk per cow | | | Milk production | | | |
|----------------|--------------------|--------|--------|--------------------|-------------------|-------------------|---------------------|
| | Average 1957-61 | 1962 | 1963 | Average 1957-61 | 1962 | 1963 | Change from 1962 |
| | Pounds | Pounds | Pounds | Million pounds | Million pounds | Million pounds | Percent |
| January..... | 529 | 586 | 596 | 9,781 | 10,111 | 10,043 | -0.7 |
| February..... | 507 | 557 | 563 | 9,360 | 9,598 | 9,470 | -1.3 |
| March..... | 584 | 639 | 650 | 10,741 | 10,994 | 10,907 | -0.8 |
| April..... | 605 | 654 | 666 | 11,096 | 11,232 | 11,149 | -0.7 |
| May..... | 678 | 725 | 736 | 12,418 | 12,429 | 12,295 | -1.1 |
| June..... | 656 | 697 | 712 | 11,981 | 11,926 | 11,842 | -0.7 |
| July..... | 604 | 639 | 654 | 11,006 | 10,912 | 10,856 | -0.5 |
| August..... | 559 | 598 | 613 | 10,156 | 10,191 | 10,154 | -0.4 |
| September..... | 519 | 567 | | 9,398 | 9,636 | | |
| October..... | 520 | 574 | | 9,394 | 9,740 | | |
| November..... | 496 | 552 | | 8,932 | 9,345 | | |
| December..... | 527 | 581 | | 9,474 | 9,813 | | |
| Annual..... | 6,785 | 7,370 | | 123,737 | 125,927 | | |

Table 2.-Monthly milk per cow and milk production
August 1963, with comparisons

| State | Monthly milk per cow ^{1/} | | | Milk production | | | |
|----------------------------------|------------------------------------|----------------|----------------|-----------------------|-------------------|-------------------|---------------------|
| | August av. 1957-61 | August 1962 | August 1963 | August av. 1957-61 | August 1962 | August 1963 | Change from 1962 |
| | Pounds | Pounds | Pounds | Million pounds | Million pounds | Million pounds | Percent |
| New York..... | 595 | 635 | 670 | 751 | 796 | 815 | + 2 |
| New Jersey..... | 699 | 745 | 775 | 93 | 92 | 91 | - 1 |
| Pennsylvania..... | 606 | 645 | 680 | 540 | 562 | 578 | + 3 |
| Ohio..... | 627 | 683 | 725 | 442 | 445 | 452 | + 2 |
| Indiana..... | 647 | 690 | 735 | 294 | 282 | 291 | + 3 |
| Illinois..... | 631 | 670 | 690 | 389 | 360 | 349 | - 3 |
| Michigan..... | 674 | 720 | 740 | 448 | 458 | 463 | + 1 |
| Wisconsin..... | 611 | 635 | 640 | 1,331 | 1,358 | 1,360 | 0 |
| Minnesota..... | 488 | 505 | 515 | 634 | 643 | 651 | + 1 |
| Iowa..... | 568 | 596 | 610 | 505 | 495 | 484 | - 2 |
| Missouri..... | 519 | 525 | 535 | 356 | 334 | 324 | - 3 |
| North Dakota..... | 507 | 570 | 570 | 149 | 153 | 148 | - 3 |
| South Dakota..... | 450 | 483 | 495 | 118 | 114 | 113 | - 1 |
| Nebraska..... | 517 | 570 | 555 | 179 | 170 | 155 | - 9 |
| Kansas..... | 454 | 500 | 505 | 161 | 158 | 150 | - 5 |
| Maryland..... | 603 | 612 | 640 | 133 | 132 | 136 | + 3 |
| Virginia..... | 546 | 590 | 565 | 187 | 191 | 177 | - 7 |
| West Virginia..... | 440 | 430 | 450 | 61 | 51 | 50 | - 2 |
| North Carolina..... | 485 | 510 | 540 | 137 | 130 | 135 | + 4 |
| South Carolina..... | 413 | 425 | 430 | 49 | 44 | 44 | 0 |
| Georgia..... | 384 | 425 | 445 | 89 | 86 | 88 | + 2 |
| Florida..... | 486 | 570 | 570 | 92 | 101 | 104 | + 3 |
| Kentucky..... | 504 | 540 | 580 | 262 | 266 | 279 | + 5 |
| Tennessee..... | 453 | 490 | 490 | 231 | 241 | 235 | - 2 |
| Alabama..... | 348 | 365 | 385 | 90 | 83 | 83 | 0 |
| Mississippi..... | 308 | 350 | 345 | 121 | 114 | 105 | - 8 |
| Arkansas..... | 397 | 435 | 430 | 96 | 90 | 83 | - 8 |
| Oklahoma..... | 459 | 520 | 535 | 127 | 118 | 116 | - 2 |
| Texas..... | 417 | 468 | 465 | 256 | 254 | 244 | - 4 |
| Montana..... | 501 | 520 | 525 | 42 | 38 | 37 | - 3 |
| Idaho..... | 692 | 716 | 710 | 140 | 140 | 136 | - 3 |
| Wyoming..... | 543 | 595 | 585 | 17.4 | 16.4 | 15.4 | - 6 |
| Colorado..... | 566 | 600 | 612 | 73 | 69 | 69 | 0 |
| Utah..... | 665 | 680 | 690 | 64 | 63 | 62 | - 2 |
| Nevada..... | 627 | 710 | 750 | 9.2 | 10.6 | 10.5 | - 1 |
| Washington..... | 693 | 755 | 793 | 164 | 179 | 181 | + 1 |
| Oregon..... | 630 | 650 | 655 | 104 | 99 | 94 | - 5 |
| California..... | 825 | 900 | 910 | 684 | 724 | 724 | 0 |
| Hawaii..... | ^{2/} 755 | 770 | 760 | ^{2/} 10.6 | 11.2 | 10.8 | - 4 |
| Other States ^{3/} | - | - | - | 527 | 520 | 511 | - 2 |
| United States..... | 559 | 598 | 613 | 10,156 | 10,191 | 10,154 | - 0.4 |

^{1/} Estimated monthly rate based on all milk cows on farms (in milk or dry).

^{2/} Short-time average.

^{3/} Estimates not available for individual States.

Milk production continues slightly below 1962

Milk production in the United States during August was 10,154 million pounds, slightly less than a year earlier and about the same as the 1957-61 average for the month. Production declined about 6 percent from July to August this year, compared with a decrease of 7 percent in 1962 and the 5-year average decline of 8 percent. Relative to population, August milk production amounted to 1.73 pounds per person daily, compared with 1.85 pounds in July and 1.76 pounds in August a year ago.

Total milk production in August was below a year earlier in 22 of the 39 States for which monthly estimates are available. Production dropped to record low levels for August in 14 of these States. However, production was at a record high level for the month in 6 States--New York, Pennsylvania, Wisconsin, Florida, Kentucky and California.

August output per cow, 2.5 percent above a year earlier

Milk production per cow in August was 613 pounds, up 2.5 percent from the same month last year and 10 percent above the 1957-61 average for the month. The daily average of 19.8 pounds per cow in August was down 6 percent from July, the same seasonal decline as in 1962. In the 39 States for which monthly estimates are available, the rate per cow was at a record high for August in 25 States. Near records were established in 11 States with August rates exceeded only in 1961 or 1962. California is the leading State in production per cow, with 910 pounds in August; followed by Washington with 793 pounds; New Jersey with 775 pounds; Nevada, with 750 pounds; and Michigan, with 740 pounds.

August milk-feed price ratio 3 percent below a year earlier

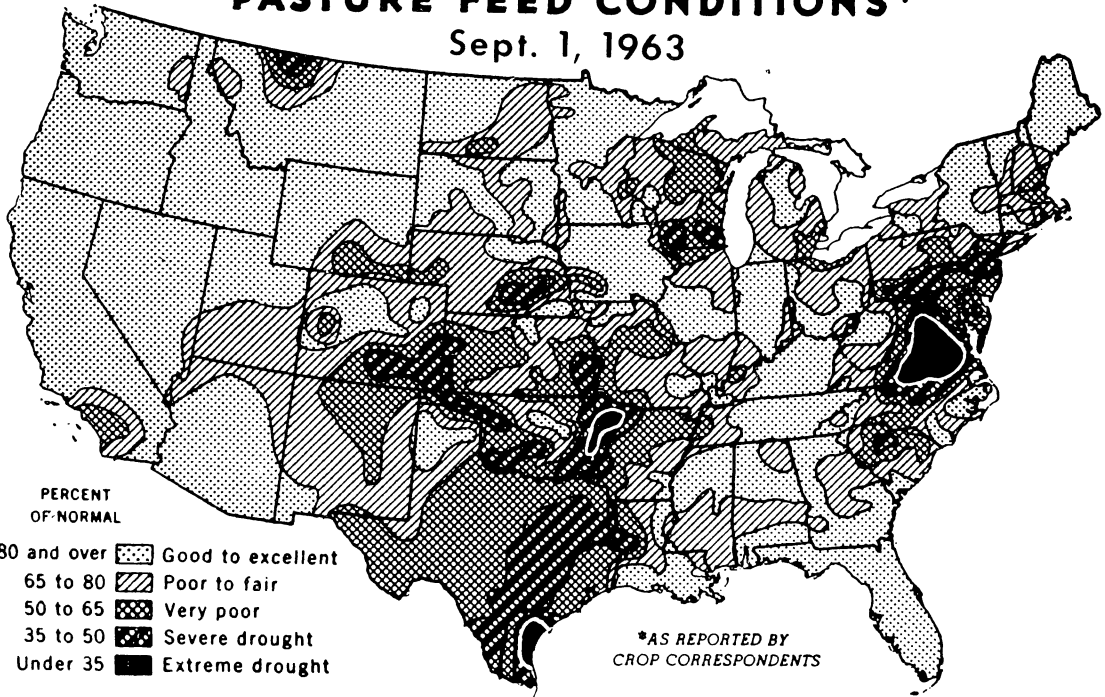
The August milk-feed price ratio, at 1.33, was down 3 percent from August last year. This decrease was the result of higher value of concentrate ration, while the price of whole milk was unchanged. Compared with a month earlier, the August ratio rose 4 percent as milk prices advanced and the value of concentrate ration held steady. During the 1957-61 period, the ratio gained an average of 5 percent between July and August. For cream-selling areas, the milkfat-feed price ratio was 22.8 in August, up 1 percent from July but down 6 percent from August 1962.

Dairy pastures improve during August--September 1 condition same as year ago

Pasture feed condition in the United States improved from August 1 to September 1. Condition of dairy pastures, at 73 percent of normal on September 1, compares with 71 percent on August 1 and is the same as September 1 a year ago. The 1957-61 average for the date is 80 percent. Temperatures averaged above normal during August in most of the Northwest and eastward into the Dakotas and Nebraska; also over the Southern Plains, Gulf States, Georgia and South Carolina. Above normal amounts of rainfall came during August to many areas badly in need of soil moisture, and improved prospects for late summer forage and fall dairy pastures. Above normal amounts of rainfall during August east of the Mississippi River were limited largely to central and northwestern Illinois and southwestern Wisconsin; from northern Pennsylvania,

PASTURE FEED CONDITIONS*

Sept. 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 CROP CORRESPONDENTS

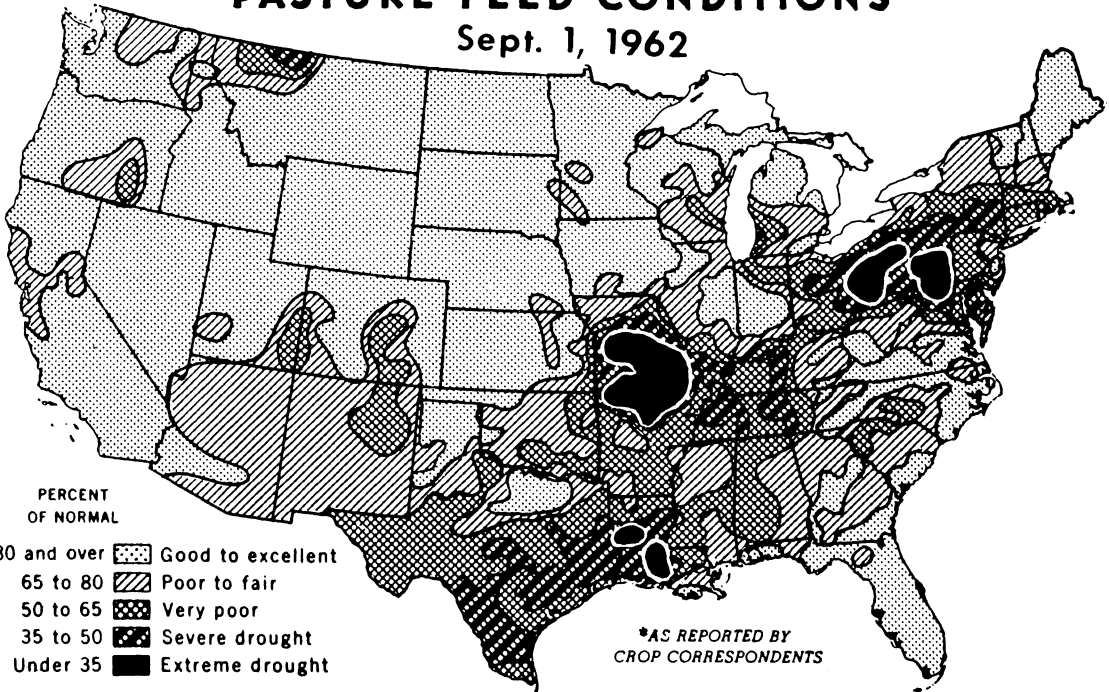
* INDICATES CURRENT SUPPLY OF PASTURE FEED FOR GRAZING RELATIVE TO THAT EXPECTED FROM EXISTING STANDS UNDER VERY FAVORABLE WEATHER CONDITIONS

U. S. DEPARTMENT OF AGRICULTURE

NEG. SRS 70-63 (9) STATISTICAL REPORTING SERVICE

PASTURE FEED CONDITIONS*

Sept. 1, 1962



- PERCENT OF NORMAL
- 80 and over Good to excellent
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NEG. SRS 42-62 (9) STATISTICAL REPORTING SERVICE

western and central New York northeastward through Maine, in nearly all of Kentucky and Tennessee; and in southwestern Alabama and northwestern Florida. However, west of the Mississippi River more than normal amounts of rain fell in most of Iowa, Nebraska; most of the Rocky Mountain area, and nearly all of the Northwest. Also rainfall was above normal in northern areas of Texas, northern Louisiana, central Minnesota, and northeastern Montana.

Pasture feed condition improved during August in northern New England, New York and New Jersey. On September 1, the reported percent of normal was above the unusually low conditions reported a year earlier in Rhode Island, Connecticut, New York, and Pennsylvania. However, New Jersey condition was 16 percentage points below September 1 last year. Moderate to heavy rain in most of New York and below normal temperatures during August favored the recovery of pastures, which were reported as furnishing average to more than average amount of feed for September 1. Intermittent showers during August did not encourage much pasture growth in Pennsylvania. Many dairymen have been supplementing pastures with hay, silage, or green feed. New Jersey's pastures were rated very poor to droughty on September 1, and soil moisture was short.

By September 1 pasture feed condition in the South Atlantic States had declined generally, although improved somewhat in Maryland and West Virginia by late August rains. Extreme drought prevailed over a large area of Virginia during August. Rainfall during the last 5 months has been less than one-half of normal throughout much of the area. Hay and feed grain production in the drought area is reported at only one-third of normal. In North Carolina, dry weather

Table 3.-Dairy pasture feed condition, as percentage of normal, September 1, 1963, with comparisons ^{1/}

| State and division | Sept. 1, av. 1957-61 | Sept. 1, 1962 | Sept. 1, 1963 | State and division | Sept. 1, av. 1957-61 | Sept. 1, 1962 | Sept. 1, 1963 |
|--------------------|----------------------|---------------|---------------|--------------------|----------------------|---------------|---------------|
| | Percent | Percent | Percent | | Percent | Percent | Percent |
| Me. | 84 | 86 | 83 | N. C. | 86 | 79 | 68 |
| N. H. | 84 | 79 | 70 | S. C. | 80 | 70 | 64 |
| Vt. | 82 | 82 | 78 | Ga. | 80 | 75 | 82 |
| Mass. | 77 | 61 | 68 | Fla. | 86 | 81 | 89 |
| R. I. | 75 | 56 | 85 | S. Atl. .. | 80 | 72 | 64 |
| Conn. | 80 | 64 | 83 | Ky. | 87 | 63 | 88 |
| N. Y. | 76 | 61 | 79 | Tenn. | 86 | 56 | 83 |
| N. J. | 72 | 65 | 49 | Ala. | 80 | 65 | 82 |
| Pa. | 73 | 44 | 60 | Miss. | 83 | 64 | 80 |
| N. Atl. | 76 | 60 | 72 | Ark. | 86 | 58 | 57 |
| Ohio..... | 83 | 54 | 77 | La. | 85 | 51 | 78 |
| Ind. | 88 | 75 | 86 | Okla. | 86 | 72 | 54 |
| Ill. | 88 | 73 | 76 | Tex. | 78 | 60 | 48 |
| Mich. | 82 | 72 | 74 | S. Cent. .. | 84 | 62 | 68 |
| Wis. | 77 | 79 | 60 | Mont. | 68 | 91 | 86 |
| E. N. Cent. .. | 82 | 72 | 71 | Idaho..... | 83 | 89 | 91 |
| Minn. | 76 | 87 | 82 | Wyo. | 76 | 91 | 81 |
| Iowa..... | 90 | 87 | 84 | Colo. | 78 | 82 | 69 |
| Mo. | 80 | 43 | 67 | N. Mex. | 81 | 68 | 72 |
| N. Dak. | 59 | 91 | 78 | Ariz. | 84 | 81 | 87 |
| S. Dak. | 64 | 92 | 82 | Utah..... | 72 | 85 | 80 |
| Nebr. | 82 | 91 | 68 | Nev..... | 80 | 92 | 88 |
| Kans. | 83 | 82 | 63 | Wash. | 71 | 89 | 90 |
| W. N. Cent. .. | 79 | 82 | 77 | Oreg. | 78 | 85 | 89 |
| Del. | 74 | 63 | 51 | Calif. | 78 | 80 | 89 |
| Md. | 74 | 46 | 54 | West. | 76 | 84 | 86 |
| Va. | 80 | 81 | 42 | U. S. | 80 | 73 | 73 |
| W. Va. | 79 | 69 | 77 | | | | |

^{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.

continued in the northern and central areas. Pasture conditions were varied in South Carolina; reported conditions for the State dropped 22 points from August 1. In Georgia and Florida, pasture feed conditions were rated good to excellent on September 1, although there was some deterioration during August.

In the South Central States, pasture feed condition declined during August, except in Kentucky and Louisiana where it was unchanged. However, in Kentucky, Tennessee, Alabama, Mississippi, and Louisiana, September 1 conditions ranged from 16 to 27 percent above the unusually low condition of a year earlier and were about average for the date. Arkansas, Oklahoma, and Texas pastures suffered from above normal temperatures and below normal rainfall during August. September 1 pasture condition in these States was rated very poor to droughty and each was about 30 percentage points below the five-year average for the date. There was practically no grazing in northwestern Arkansas and pastures were poor in the north central, west central, and northeastern areas of the State. Water supplies were low in the drought areas and supplemental feeding was necessary. Supplemental feeding was also at a higher rate than normal for August in Oklahoma and hay supplies were short in some areas.

In the North Central States, pasture conditions improved during August except in North Dakota and Kansas. Condition in all East North Central States except Wisconsin was reported higher than on September 1, 1962. Although improved by 10 percentage points from a month earlier, Wisconsin's pastures were rated very poor. In the West North Central States, except Missouri, pastures were poorer than on September 1 last year. Rain in late August and near the first of September should encourage late season growth in Iowa, Nebraska, and North Dakota. However, more rain was needed in Kansas and Missouri to stimulate late summer growth.

Table 4.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, August 1963, with comparisons

| Region | Milk price per 100 pounds | | | | Ration value per 100 pounds | | | |
|----------------------|---------------------------|----------------|--------------|----------------|-----------------------------|----------------|--------------|----------------|
| | August av. 1957-61 | August 1962 | July 1963 | August 1963 | August av. 1957-61 | August 1962 | July 1963 | August 1963 |
| | Dol. | Dol. | Dol. | Dol. | Dol. | Dol. | Dol. | Dol. |
| N. Atl. | 4.95 | 4.71 | 4.42 | 4.65 | 3.52 | 3.51 | 3.57 | 3.58 |
| E. N. Cent. | 3.65 | 3.59 | 3.47 | 3.61 | 2.74 | 2.74 | 2.77 | 2.80 |
| W. N. Cent. | 3.41 | 3.33 | 3.27 | 3.36 | 2.31 | 2.30 | 2.47 | 2.44 |
| S. Atl. | 5.22 | 5.16 | 5.12 | 5.19 | 3.43 | 3.31 | 3.48 | 3.50 |
| S. Cent. | 4.40 | 4.27 | 4.27 | 4.33 | 3.08 | 3.04 | 3.18 | 3.18 |
| West. | 4.17 | 4.14 | 4.10 | 4.15 | 3.15 | 3.16 | 3.20 | 3.18 |
| U. S. | | | | | | | | |
| Milk areas..... | 4.13 | 4.04 | 3.90 | 4.04 | 2.98 | 2.94 | 3.04 | 3.04 |
| Cream areas..... | - | - | - | - | 2.47 | 2.40 | 2.57 | 2.54 |
| Milk and cream areas | - | - | - | - | 2.93 | 2.91 | 3.02 | 3.02 |

Table 5.-Milk-feed and milkfat-feed price ratios, by regions, August 1963, with comparisons

| Region | Milk-feed ratio 1/ | | | | Milkfat-feed ratio 2/ | | | |
|------------------|-----------------------|----------------|--------------|----------------|-----------------------|----------------|--------------|----------------|
| | August av. 1957-61 | August 1962 | July 1963 | August 1963 | August av. 1957-61 | August 1962 | July 1963 | August 1963 |
| N. Atl. | 1.41 | 1.34 | 1.24 | 1.30 | - | - | - | - |
| E. N. Cent. | 1.33 | 1.31 | 1.25 | 1.29 | 20.1 | 20.0 | 19.8 | 19.6 |
| W. N. Cent. | 1.48 | 1.45 | 1.32 | 1.38 | 26.7 | 25.7 | 23.8 | 24.1 |
| S. Atl. | 1.53 | 1.56 | 1.47 | 1.48 | - | - | - | - |
| S. Cent. | 1.43 | 1.40 | 1.34 | 1.36 | 16.4 | 16.6 | 16.2 | 16.2 |
| West. | 1.32 | 1.31 | 1.28 | 1.31 | 18.6 | 18.2 | 18.0 | 18.1 |
| U. S. | 1.39 | 1.37 | 1.28 | 1.33 | 24.2 | 24.2 | 22.6 | 22.8 |

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.

(Continued from page 6)

In the Western States, pasture conditions on September 1 were above average for the date and were rated good to excellent except for Colorado and New Mexico. Above normal rainfall came to much of the western area during August, bringing needed relief to pastures in Colorado, where August temperatures were below normal. Fall dairy pasture prospects in Colorado now appear favorable although very dry conditions prevailed during the major portion of the spring and summer. Pastures improved sharply during August in Arizona as the result of heavy rains. Dryland areas benefited greatly, also irrigated pastures where water was being conserved earlier. In California, irrigated pastures were in good condition and dryland pastures were in good condition except in a few southern counties.