

# MILK PRODUCTION

July 12, 1966

## SUMMARY

June milk production in the United States is estimated at 11,416 million pounds, 3 percent less than a year earlier and the smallest output for the month since 1939. On a daily average basis, production increased about 1 percent from May to June this year, in contrast to the usual slight decline from a seasonal peak in May. June output provided 1.93 pounds per person daily, compared with 2.01 pounds a year earlier. Production averaged 778 pounds per cow, 3 percent more than in June a year ago.

Reported condition of dairy pastures averaged 82 percent for the United States on July 1, down 2 points from June 1 but 1 point above July 1 last year. Pasture feed was rated very poor to droughty in large areas of the Northwest, Central Plains and Central Appalachians. Above normal temperatures after mid-June caused pastures to deteriorate rapidly, particularly in the eastern half of the country.

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

| Month         | Milk per cow       |        |        | Milk production    |                   |                   |                     |
|---------------|--------------------|--------|--------|--------------------|-------------------|-------------------|---------------------|
|               | Average<br>1960-64 | 1965   | 1966   | Average<br>1960-64 | 1965              | 1966              | Change<br>from 1965 |
|               | Pounds             | Pounds | Pounds | Million<br>Pounds  | Million<br>Pounds | Million<br>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    | 778    | 11,872             | 11,742            | 11,416            | -2.8                |
| July.....     | 644                | 702    |        | 10,888             | 10,856            |                   |                     |
| August.....   | 602                | 653    |        | 10,158             | 10,046            |                   |                     |
| September.... | 567                | 615    |        | 9,555              | 9,404             |                   |                     |
| October.....  | 573                | 621    |        | 9,634              | 9,446             |                   |                     |
| November..... | 551                | 602    |        | 9,252              | 9,106             |                   |                     |
| December..... | 584                | 635    |        | 9,788              | 9,556             |                   |                     |
| Annual.....   | 7,407              | 8,080  |        | 125,285            | 125,061           |                   |                     |

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

| State               | Monthly milk per cow <sup>1/</sup> |              |              | Milk production                   |                   |                   |                     |
|---------------------|------------------------------------|--------------|--------------|-----------------------------------|-------------------|-------------------|---------------------|
|                     | June av.<br>1960-64 <sup>2/</sup>  | June<br>1965 | June<br>1966 | June av.<br>1960-64 <sup>2/</sup> | June<br>1965      | June<br>1966      | Change<br>from 1965 |
|                     | Pounds                             | Pounds       | Pounds       | Million<br>pounds                 | Million<br>pounds | Million<br>pounds | Percent             |
| Maine.....          | -                                  | 860          | 885          | -                                 | 71                | 69                | - 3                 |
| New Hampshire.....  | -                                  | 815          | 850          | -                                 | 35                | 34                | - 3                 |
| Vermont.....        | -                                  | 825          | 855          | -                                 | 194               | 184               | - 5                 |
| Massachusetts.....  | -                                  | 865          | 895          | -                                 | 68                | 66                | - 3                 |
| Rhode Island.....   | -                                  | 860          | 895          | -                                 | 9.0               | 8.4               | - 7                 |
| Connecticut.....    | -                                  | 825          | 855          | -                                 | 59                | 58                | - 2                 |
| New York.....       | 820                                | 872          | 895          | 1,011                             | 1,025             | 995               | - 3                 |
| New Jersey.....     | 800                                | 840          | 890          | 98                                | 90                | 88                | - 2                 |
| Pennsylvania.....   | 739                                | 790          | 815          | 636                               | 623               | 611               | - 2                 |
| Ohio.....           | 758                                | 810          | 840          | 490                               | 462               | 450               | - 3                 |
| Indiana.....        | 764                                | 800          | 840          | 312                               | 292               | 284               | - 3                 |
| Illinois.....       | 758                                | 855          | 850          | 401                               | 385               | 350               | - 9                 |
| Michigan.....       | 800                                | 850          | 850          | 506                               | 517               | 480               | - 7                 |
| Wisconsin.....      | 859                                | 905          | 925          | 1,831                             | 1,891             | 1,856             | - 2                 |
| Minnesota.....      | 809                                | 830          | 850          | 1,028                             | 1,029             | 994               | - 3                 |
| Iowa.....           | 733                                | 750          | 800          | 600                               | 557               | 523               | - 6                 |
| Missouri.....       | 596                                | 655          | 660          | 373                               | 357               | 336               | - 6                 |
| North Dakota.....   | 701                                | 765          | 768          | 184                               | 176               | 156               | -11                 |
| South Dakota.....   | 612                                | 645          | 655          | 147                               | 146               | 136               | - 7                 |
| Nebraska.....       | 629                                | 655          | 650          | 190                               | 178               | 164               | - 8                 |
| Kansas.....         | 547                                | 630          | 630          | 171                               | 169               | 153               | - 9                 |
| Delaware.....       | -                                  | 655          | 680          | -                                 | 14.4              | 15.0              | + 4                 |
| Maryland.....       | 607                                | 635          | 670          | 130                               | 129               | 135               | + 5                 |
| Virginia.....       | 556                                | 605          | 610          | 177                               | 169               | 165               | - 2                 |
| West Virginia.....  | 490                                | 500          | 515          | 58                                | 51                | 49                | - 4                 |
| North Carolina..... | 526                                | 590          | 600          | 135                               | 137               | 136               | - 1                 |
| South Carolina..... | 409                                | 470          | 500          | 42                                | 41                | 41                | 0                   |
| Georgia.....        | 429                                | 485          | 530          | 86                                | 83                | 84                | + 1                 |
| Florida.....        | 574                                | 625          | 650          | 105                               | 111               | 116               | + 5                 |
| Kentucky.....       | 532                                | 615          | 660          | 258                               | 266               | 269               | + 1                 |
| Tennessee.....      | 464                                | 495          | 520          | 223                               | 220               | 220               | 0                   |
| Alabama.....        | 381                                | 440          | 465          | 86                                | 85                | 85                | 0                   |
| Mississippi.....    | 346                                | 385          | 415          | 113                               | 103               | 105               | + 2                 |
| Arkansas.....       | 441                                | 515          | 530          | 88                                | 84                | 81                | - 4                 |
| Louisiana.....      | -                                  | 375          | 395          | -                                 | 76                | 77                | + 1                 |
| Oklahoma.....       | 556                                | 620          | 635          | 127                               | 118               | 115               | - 3                 |
| Texas.....          | 475                                | 557          | 600          | 254                               | 256               | 260               | + 2                 |
| Montana.....        | 623                                | 630          | 635          | 45                                | 41                | 39                | - 5                 |
| Idaho.....          | 807                                | 820          | 830          | 158                               | 146               | 139               | - 5                 |
| Wyoming.....        | 678                                | 720          | 720          | 19.0                              | 18.4              | 18.0              | - 2                 |
| Colorado.....       | 650                                | 675          | 700          | 75                                | 72                | 72                | 0                   |
| New Mexico.....     | -                                  | 625          | 675          | -                                 | 25                | 27                | + 8                 |
| Arizona.....        | -                                  | 850          | 870          | -                                 | 43                | 44                | + 2                 |
| Utah.....           | 731                                | 790          | 820          | 67                                | 67                | 66                | - 1                 |
| Nevada.....         | 695                                | 835          | 870          | 10.5                              | 11.7              | 11.8              | + 1                 |
| Washington.....     | 857                                | 880          | 940          | 196                               | 187               | 196               | + 5                 |
| Oregon.....         | 769                                | 810          | 835          | 116                               | 104               | 102               | - 2                 |
| California.....     | 896                                | 940          | 960          | 721                               | 736               | 738               | 0                   |
| Alaska.....         | 760                                | 775          | 785          | 2.02                              | 1.78              | 1.57              | -12                 |
| Hawaii.....         | 751                                | 840          | 840          | 10.4                              | 12.8              | 13.1              | + 2                 |
| United States.....  | 701                                | 756          | 778          | 11,872                            | 11,742            | 11,416            | - 2.8               |

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

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

### June milk output 3 percent below 1965

June milk production in the United States is estimated at 11,416 million pounds, 3 percent less than a year earlier and the smallest output for the month since 1939. On a daily average basis, production increased about 1 percent from May to June this year, in contrast to the usual slight decline from a seasonal peak in May. June output provided 1.93 pounds per person daily, compared with 2.01 pounds a year earlier. For the first half of the year, milk production totaled 4 percent less than in that period last year.

Milk production in June continued below a year earlier in all North Atlantic and North Central States. However, output was closer to a year earlier in June than in May in several important States, including New York, Ohio, Wisconsin, Minnesota, and Iowa.

### June gain in milk per cow best in 11 months

Milk production per cow during June averaged 778 pounds -- up 3 percent from a year earlier. Production per cow was at a record level for the month in 47 States. The year-to-year increase in production per cow for June was the largest since July 1965. On a daily basis, June output averaged 25.9 pounds, compared with 25.6 in May and 25.2 pounds in June 1965. This is the first year since 1961 with a daily rate in June larger than in May. This may reflect later-than-usual development of spring pasture feed.

June output per cow in California at 960 pounds led the nation, followed by Washington with 940 pounds, Wisconsin with 925 pounds, Massachusetts, Rhode Island, and New York with 895 pounds each, and New Jersey with 890 pounds.

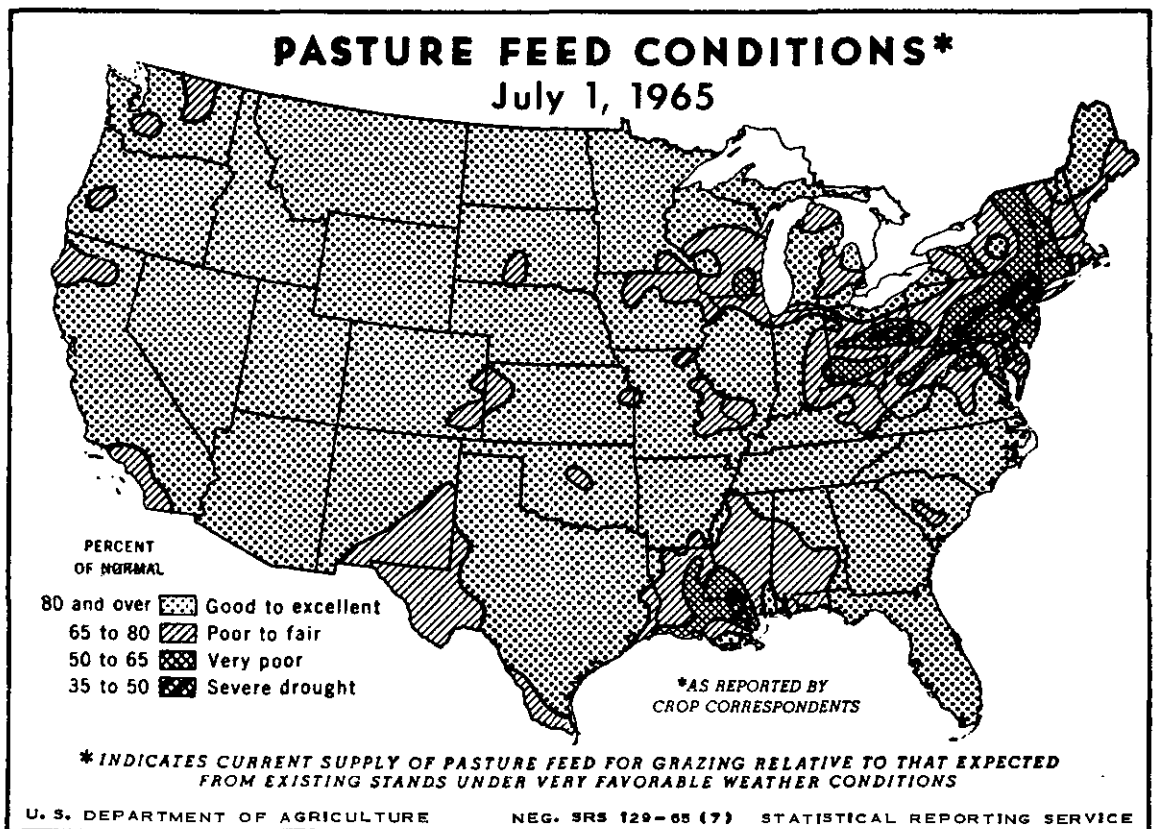
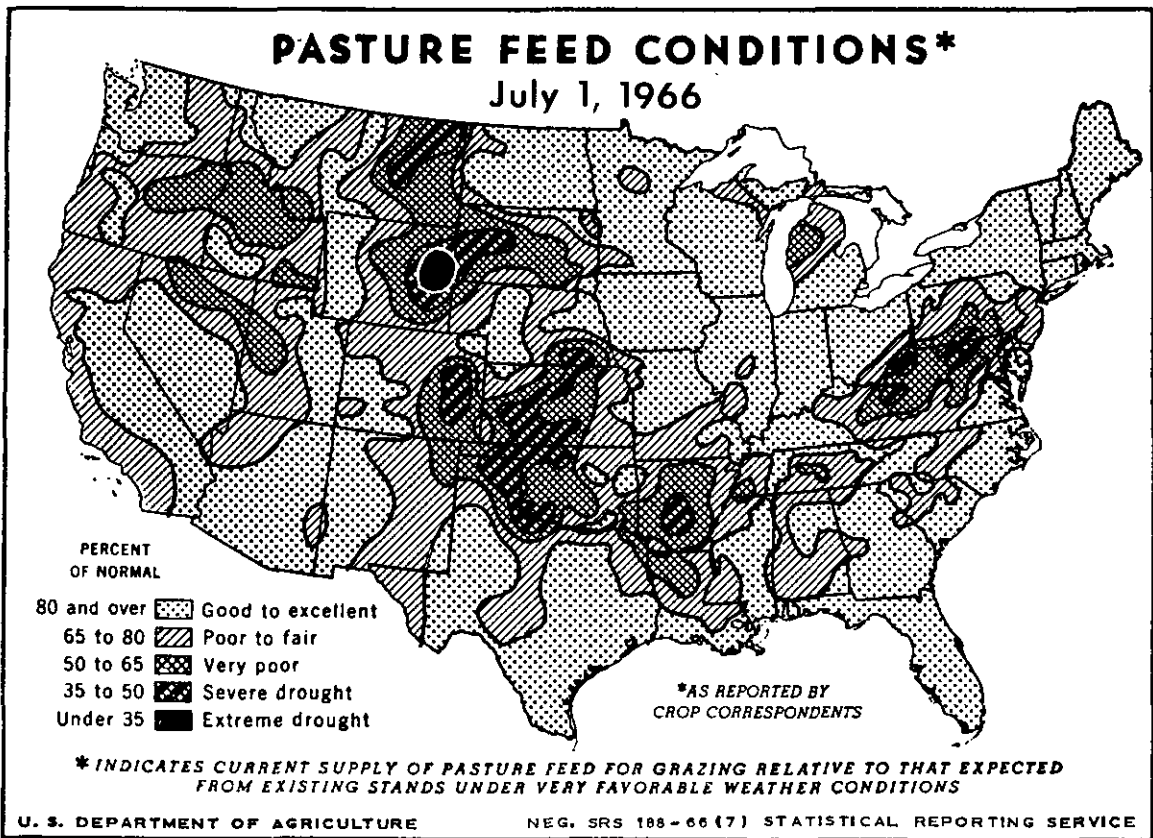
### Milk-feed price ratio 12 percent above June last year

The milk-feed price ratio for June at 1.42 was 12 percent above June a year ago and marked the 25th consecutive month that the ratio improved from the corresponding month a year earlier. Since June 1964, the ratio has increased from 1.25 to 1.42, the average price of wholesale milk rose from \$3.79 to \$4.35, and concentrate ration value was up from \$3.03 to \$3.07. In cream-producing areas, the milkfat-feed price ratio this June was 24.4, compared with 22.3 a year earlier and 24.1, the 1960-64 average for the month.

### Dairy pasture feed condition declines seasonally

Dairy pasture condition on July 1, at 82 percent, was off from the 84 percent for June 1, but above the 81 percent for July 1 a year ago. Pasture feed condition was rated very poor to droughty in large areas of the Northwest, Central Plains and Central Appalachians. Temperatures averaged generally below normal during June, but increased sharply near the end of the month which caused pastures to deteriorate rapidly -- particularly in the eastern

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half of the country. Precipitation during June averaged below normal generally.

July 1 pasture feed condition in the Northeast reflected little of the droughty conditions of a year earlier, as reporters rated them good to excellent. However, soil moisture shortages and above normal temperatures slowed pasture development in Pennsylvania and New Jersey during June. In some areas pastures were short and had turned brown by July 1. Many dairymen were supplementing pasture roughage with hay, silage, and green feed.

Pasture conditions generally were rated good to excellent in the North Central States; exceptions were South Dakota, Nebraska and Kansas. Conditions were below June 1 in Ohio, Indiana, Illinois, Missouri, and South Dakota. This coincided with a gradual decline in topsoil moisture during June and seasonally high temperatures during the last 10 days of the month. Pasture condition improved in Nebraska and Kansas, but timely rains are needed to maintain pasture feed.

During June, pasture feed condition worsened rapidly in the South Atlantic and South Central States. Although hurricane Alma brought heavy rainfall to the coastal areas of South Atlantic States, only Florida reported pasture improvement during June. Poorer pastures resulted from the extreme temperatures which occurred in the last part of June and in most States below normal

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Table 3.-Dairy pasture feed condition, as percentage of normal, July 1, 1966, with comparisons <sup>1/</sup>

| State and division | July 1, av. 1960-64 | July 1, 1965 | July 1, 1966 | State and division | July 1, av. 1960-64 | July 1, 1965 | July 1, 1966 |
|--------------------|---------------------|--------------|--------------|--------------------|---------------------|--------------|--------------|
|                    | Percent             | Percent      | Percent      |                    | Percent             | Percent      | Percent      |
| Me. ....           | 86                  | 76           | 91           | N. C. ....         | 83                  | 90           | 83           |
| N. H. ....         | 82                  | 68           | 91           | S. C. ....         | 79                  | 84           | 81           |
| Vt. ....           | 86                  | 67           | 93           | Ga. ....           | 78                  | 87           | 84           |
| Mass. ....         | 80                  | 63           | 90           | Fla. ....          | 80                  | 82           | 89           |
| R. I. ....         | 82                  | 70           | 94           | S. Atl. ..         | 79                  | 82           | 76           |
| Conn. ....         | 81                  | 63           | 85           | Ky. ....           | 87                  | 83           | 79           |
| N. Y. ....         | 80                  | 68           | 90           | Tenn. ....         | 82                  | 90           | 74           |
| N. J. ....         | 65                  | 47           | 69           | Ala. ....          | 75                  | 78           | 79           |
| Pa. ....           | 78                  | 65           | 73           | Miss. ....         | 71                  | 70           | 76           |
| N. Atl. ....       | 80                  | 66           | 85           | Ark. ....          | 74                  | 90           | 62           |
| Ohio.....          | 82                  | 69           | 83           | La. ....           | 67                  | 71           | 78           |
| Ind. ....          | 87                  | 80           | 86           | Okla. ....         | 84                  | 92           | 61           |
| Ill. ....          | 84                  | 84           | 88           | Tex. ....          | 73                  | 85           | 81           |
| Mich. ....         | 87                  | 83           | 84           | S. Cent. .         | 78                  | 84           | 74           |
| Wis. ....          | 85                  | 79           | 88           | Mont. ....         | 82                  | 95           | 72           |
| E. N. Cent. .      | 85                  | 79           | 86           | Idaho.....         | 91                  | 92           | 74           |
| Minn. ....         | 86                  | 92           | 90           | Wyo. ....          | 83                  | 89           | 63           |
| Iowa.....          | 89                  | 85           | 94           | Colo. ....         | 75                  | 88           | 68           |
| Mo. ....           | 83                  | 85           | 82           | N. Mex. ....       | 67                  | 83           | 74           |
| N. Dak. ....       | 79                  | 95           | 87           | Ariz. ....         | 82                  | 88           | 82           |
| S. Dak. ....       | 85                  | 94           | 69           | Utah.....          | 79                  | 89           | 76           |
| Nebr. ....         | 88                  | 91           | 76           | Nev. ....          | 83                  | 91           | 84           |
| Kans. ....         | 86                  | 94           | 60           | Wash. ....         | 89                  | 85           | 85           |
| W. N. Cent. .      | 86                  | 90           | 83           | Oreg. ....         | 91                  | 87           | 76           |
| Del. ....          | 74                  | 69           | 86           | Calif. ....        | 81                  | 86           | 72           |
| Md. ....           | 77                  | 66           | 70           | West. ....         | 83                  | 88           | 75           |
| Va. ....           | 78                  | 86           | 74           | U. S. ....         | 83                  | 81           | 82           |
| W. Va. ....        | 82                  | 72           | 54           |                    |                     |              |              |

<sup>1/</sup> 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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precipitation. Pasture condition in West Virginia on July 1, at 54 percent, was the poorest for the date since 1936 -- growth was at a standstill and supplemental feeding was necessary in some localities. Pastures were drying rapidly in Kentucky by the end of the month. In Arkansas, pastures were providing below average feed in all areas by July 1. Pastures in Oklahoma provided little green feed as June ended.

In the Western States, pasture feed conditions on July 1 were generally below June 1 this year and July 1 a year ago. However, pastures in Colorado, New Mexico, and Nevada showed some improvement during June. Below normal temperature and precipitation characterized June weather in most western States. In Washington, most western areas appear to have adequate pasture growth and the feed prospects for summer are good; however, eastern dryland pastures are generally in poor condition. In California, dryland pastures are reported poor; pastures have matured and dried, creating serious fire hazards. High temperatures have hastened maturity and reduced carrying capacity of irrigated pastures.

Table 4.-Average milk price received by farmers and value of concentrate ration fed to milk cows, by regions, June 1966, with comparisons

| Region                       | Milk price per 100 pounds |              |             |              | Ration value per 100 pounds |              |             |              |
|------------------------------|---------------------------|--------------|-------------|--------------|-----------------------------|--------------|-------------|--------------|
|                              | June av.<br>1960-64       | June<br>1965 | May<br>1966 | June<br>1966 | June av.<br>1960-64         | June<br>1965 | May<br>1966 | June<br>1966 |
|                              | Dol.                      | Dol.         | Dol.        | Dol.         | Dol.                        | Dol.         | Dol.        | Dol.         |
| N. Atl. ....                 | 4.07                      | 4.13         | 4.58        | 4.62         | 3.54                        | 3.54         | 3.56        | 3.54         |
| E. N. Cent. ..               | 3.45                      | 3.55         | 4.12        | 4.12         | 2.72                        | 2.85         | 2.90        | 2.92         |
| W. N. Cent. ..               | 3.23                      | 3.32         | 3.78        | 3.82         | 2.37                        | 2.58         | 2.52        | 2.53         |
| S. Atl. ....                 | 5.10                      | 5.13         | 5.47        | 5.49         | 3.35                        | 3.38         | 3.44        | 3.42         |
| S. Cent. ....                | 4.19                      | 4.27         | 4.78        | 4.77         | 3.09                        | 3.14         | 3.18        | 3.16         |
| West. ....                   | 4.06                      | 4.17         | 4.39        | 4.42         | 3.17                        | 3.20         | 3.19        | 3.21         |
| U. S.                        |                           |              |             |              |                             |              |             |              |
| Milk areas....               | 3.78                      | 3.87         | 4.34        | 4.35         | 2.97                        | 3.05         | 3.07        | 3.07         |
| Cream areas...               | -                         | -            | -           | -            | 2.48                        | 2.64         | 2.60        | 2.61         |
| Milk and cream<br>areas..... | -                         | -            | -           | -            | 2.94                        | 3.04         | 3.06        | 3.06         |

Table 5.-Milk-feed and milkfat-feed price ratios, by regions, June 1966, with comparisons

| Region         | Milk-feed ratio 1/  |              |             |              | Milkfat-feed ratio 2/ |              |             |              |
|----------------|---------------------|--------------|-------------|--------------|-----------------------|--------------|-------------|--------------|
|                | June av.<br>1960-64 | June<br>1965 | May<br>1966 | June<br>1966 | June av.<br>1960-64   | June<br>1965 | May<br>1966 | June<br>1966 |
| N. Atl. ....   | 1.15                | 1.17         | 1.29        | 1.31         | -                     | -            | -           | -            |
| E. N. Cent. .. | 1.27                | 1.25         | 1.42        | 1.41         | 20.4                  | 19.8         | 20.2        | 20.4         |
| W. N. Cent. .. | 1.36                | 1.29         | 1.50        | 1.51         | 25.6                  | 23.1         | 25.3        | 25.7         |
| S. Atl. ....   | 1.52                | 1.52         | 1.59        | 1.61         | -                     | -            | -           | -            |
| S. Cent. ....  | 1.36                | 1.36         | 1.50        | 1.51         | 16.6                  | 16.9         | 16.6        | 16.9         |
| West. ....     | 1.28                | 1.30         | 1.38        | 1.38         | 18.3                  | 18.0         | 19.0        | 19.0         |
| U. S. ....     | 1.28                | 1.27         | 1.41        | 1.42         | 24.1                  | 22.3         | 24.1        | 24.4         |

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.



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