

Milk Production



United States
Department of
Agriculture

Washington, D.C.

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June Milk Production Up 2 Percent

Milk production in the 22 major States during June totaled 11.5 billion pounds, 2 percent above production in these same States in June 1994. May revised production, at 11.9 billion pounds was 1 percent more than May 1994.

Production per cow in the 22 major States averaged 1,415 pounds for June, 27 pounds above June 1994.

The number of cows on farms in the 22 major States was 8.10 million head, 5,000 head less than June 1994 but 9,000 head more than May 1995.

During the April-June period, the 22 major States produced 34.9 billion pounds of milk, 86.1 percent of the U.S. production. If the remaining 28 States not surveyed monthly followed the same pattern as the 22 States, the U.S. production would be 13.3 billion pounds for April, 13.9 billion pounds for May, and 13.3 billion pounds for June.

April-June Milk Production Up 1 Percent

The quarterly production of milk for the U.S. was 40.5 billion pounds, 1 percent above the April-June period last year. The average number of milk cows in the U.S. during the April-June quarter was 9.52 million head, 14,000 head less than the same period last year.

Grain and Other Concentrates Fed

Grain and other concentrates fed to milk cows on July 1, 1995, averaged 18.3 pounds per cow, 0.1 of a pound more than July 1, 1994.

Value of Grain and Other Concentrates

The value of grain and other concentrates fed to milk cows on July 1, 1995, averaged \$7.66 per hundredweight, \$0.44 less than the price on July 1, 1994.

For information call Kevin Hintzman at (202) 720-4448. Office hours 8:00 a.m. to 4:30 p.m. ET.

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Milk Cows and Production: By Quarter, United States, 1994-95

| Quarter | Milk Cows 1/ | | Milk per Cow 2/ | | Milk Production 2/ | | 1995 as % of 1994 |
|---------|-----------------|-------|-----------------|-------|--------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | 1994 | 1995 | |
| | ---- 1,000 ---- | | Pounds | | Million Pounds | | Percent |
| Jan-Mar | 9,506 | 9,517 | 3,951 | 4,093 | 37,560 | 38,950 | 104 |
| Apr-Jun | 9,530 | 9,516 | 4,188 | 4,255 | 39,916 | 40,488 | 101 |
| Jul-Sep | 9,539 | | 4,007 | | 38,217 | | |
| Oct-Dec | 9,524 | | 3,983 | | 37,933 | | |
| Annual | 9,525 | | 16,129 | | 153,626 | | |

1/ Includes dry cows, excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 22 Selected States, 1994-95

| Month | Milk Cows 1/ | | Milk per Cow 2/ | | Milk Production 2/ | | 1995 as % of 1994 |
|--------|-----------------|-------|-----------------|-------|--------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | 1994 | 1995 | |
| | ---- 1,000 ---- | | Pounds | | Million Pounds | | Percent |
| Jan | 8,092 | 8,090 | 1,343 | 1,394 | 10,870 | 11,280 | 104 |
| Feb | 8,082 | 8,088 | 1,236 | 1,291 | 9,990 | 10,441 | 105 |
| Mar | 8,074 | 8,103 | 1,401 | 1,444 | 11,315 | 11,698 | 103 |
| Apr | 8,080 | 8,097 | 1,396 | 1,417 | 11,282 | 11,477 | 102 |
| May | 8,097 | 8,093 | 1,457 | 1,475 | 11,799 | 11,936 | 101 |
| Jun | 8,107 | 8,102 | 1,388 | 1,415 | 11,249 | 11,462 | 102 |
| Jul | 8,104 | | 1,389 | | 11,260 | | |
| Aug | 8,108 | | 1,369 | | 11,102 | | |
| Sep | 8,109 | | 1,318 | | 10,689 | | |
| Oct | 8,104 | | 1,354 | | 10,970 | | |
| Nov | 8,098 | | 1,312 | | 10,624 | | |
| Dec | 8,094 | | 1,370 | | 11,090 | | |
| Annual | 8,096 | | 16,334 | | 132,240 | | |

1/ Includes dry cows, excludes heifers not yet fresh.

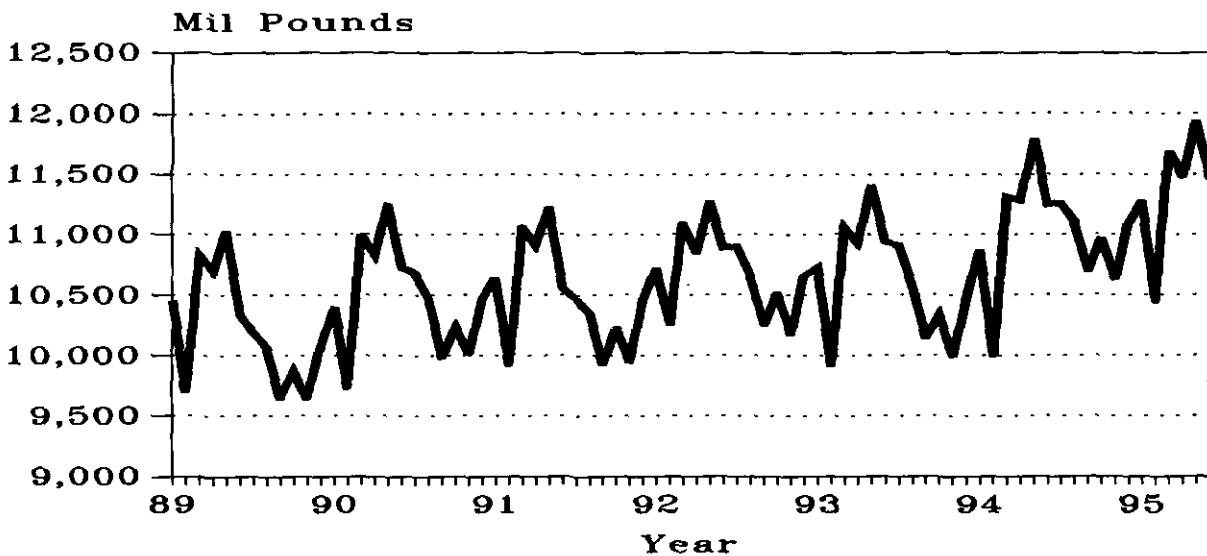
2/ Excludes milk sucked by calves.

Milk Cows and Production: By State, June 1994-95

| State | Milk Cows 1/ | | Milk per Cow 2/ | | Milk Production 2/ | | 1995 as % of 1994 |
|-------------------|-----------------|-------|-----------------|-------|--------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | 1994 | 1995 | |
| | ---- 1,000 ---- | | Pounds | | Million Pounds | | |
| CA | 1,235 | 1,254 | 1,715 | 1,725 | 2,118 | 2,163 | 102 |
| FL | 178 | 162 | 1,245 | 1,170 | 222 | 190 | 86 |
| ID | 208 | 232 | 1,560 | 1,520 | 324 | 353 | 109 |
| IL | 165 | 163 | 1,300 | 1,340 | 215 | 218 | 101 |
| IN | 145 | 145 | 1,280 | 1,290 | 186 | 187 | 101 |
| IA | 264 | 262 | 1,260 | 1,310 | 333 | 343 | 103 |
| KY | 167 | 163 | 975 | 1,050 | 163 | 171 | 105 |
| MD | 92 | 94 | 1,175 | 1,200 | 108 | 113 | 105 |
| MI | 328 | 327 | 1,450 | 1,470 | 476 | 481 | 101 |
| MN | 610 | 600 | 1,335 | 1,370 | 814 | 822 | 101 |
| MO | 198 | 190 | 1,110 | 1,180 | 220 | 224 | 102 |
| NM | 169 | 196 | 1,657 | 1,600 | 280 | 314 | 112 |
| NY | 718 | 702 | 1,380 | 1,410 | 991 | 990 | 100 |
| NC | 91 | 86 | 1,330 | 1,365 | 121 | 117 | 97 |
| OH | 295 | 288 | 1,235 | 1,340 | 364 | 386 | 106 |
| PA | 640 | 639 | 1,360 | 1,400 | 870 | 895 | 103 |
| TN | 157 | 154 | 1,030 | 1,110 | 162 | 171 | 106 |
| TX | 404 | 402 | 1,240 | 1,265 | 501 | 509 | 102 |
| VT | 156 | 157 | 1,320 | 1,355 | 206 | 213 | 103 |
| VA | 130 | 129 | 1,145 | 1,235 | 149 | 159 | 107 |
| WA | 262 | 265 | 1,700 | 1,700 | 445 | 451 | 101 |
| WI | 1,495 | 1,492 | 1,325 | 1,335 | 1,981 | 1,992 | 101 |
| 22 State Total | 8,107 | 8,102 | 1,388 | 1,415 | 11,249 | 11,462 | 102 |

1/ Includes dry cows, excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

Milk Production, 1989-1995 22 States

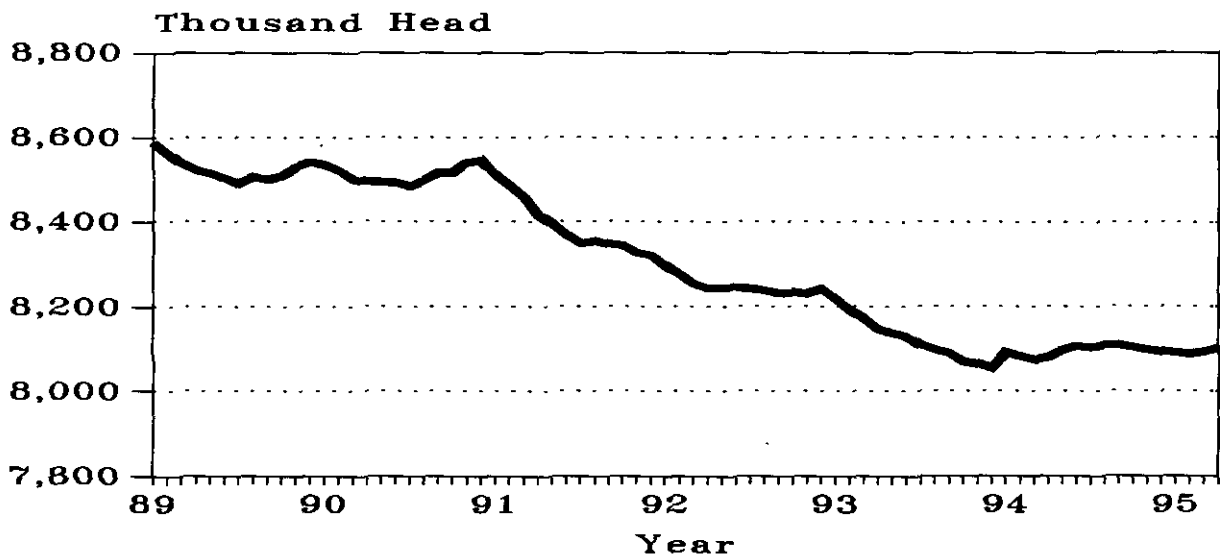


Milk Cows and Production: By State, May 1994-95 1/

| State | Milk Cows 2/ | | Milk per Cow 3/ | | Milk Production 3/ | | 1995 as % of 1994 |
|-------------------|--------------|-------|-----------------|-------|--------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | 1994 | 1995 | |
| | 1,000 | | Pounds | | Million Pounds | | Percent |
| CA | 1,232 | 1,254 | 1,770 | 1,760 | 2,181 | 2,207 | 101 |
| FL | 178 | 162 | 1,400 | 1,315 | 249 | 213 | 86 |
| ID | 205 | 229 | 1,580 | 1,560 | 324 | 357 | 110 |
| IL | 165 | 163 | 1,350 | 1,380 | 223 | 225 | 101 |
| IN | 145 | 144 | 1,370 | 1,380 | 199 | 199 | 100 |
| IA | 264 | 262 | 1,295 | 1,350 | 342 | 354 | 104 |
| KY | 170 | 163 | 1,035 | 1,130 | 176 | 184 | 105 |
| MD | 92 | 93 | 1,295 | 1,310 | 119 | 122 | 103 |
| MI | 328 | 326 | 1,525 | 1,515 | 500 | 494 | 99 |
| MN | 610 | 595 | 1,395 | 1,430 | 851 | 851 | 100 |
| MO | 198 | 193 | 1,270 | 1,300 | 251 | 251 | 100 |
| NM | 166 | 190 | 1,777 | 1,655 | 295 | 314 | 106 |
| NY | 722 | 704 | 1,430 | 1,460 | 1,032 | 1,028 | 100 |
| NC | 91 | 87 | 1,475 | 1,480 | 134 | 129 | 96 |
| OH | 296 | 288 | 1,345 | 1,390 | 398 | 400 | 101 |
| PA | 637 | 639 | 1,430 | 1,470 | 911 | 939 | 103 |
| TN | 159 | 156 | 1,090 | 1,120 | 173 | 175 | 101 |
| TX | 404 | 400 | 1,435 | 1,380 | 580 | 552 | 95 |
| VT | 156 | 156 | 1,370 | 1,430 | 214 | 223 | 104 |
| VA | 130 | 129 | 1,275 | 1,350 | 166 | 174 | 105 |
| WA | 261 | 266 | 1,750 | 1,760 | 457 | 468 | 102 |
| WI | 1,488 | 1,494 | 1,360 | 1,390 | 2,024 | 2,077 | 103 |
| 22 State Total | 8,097 | 8,093 | 1,457 | 1,475 | 11,799 | 11,936 | 101 |

1/ 1995 revised. 2/ Includes dry cows, excludes heifers not yet fresh.
3/ Excludes milk sucked by calves.

All Milk Cows, 1989-1995 22 States



Milk Cows and Production: By State and United States
 Revised January-March 1994-1995

| State | Jan-Mar Milk Cows 1/ | | Jan-Mar Milk Production 2/ | | 1995 as % of 1994 |
|-------|----------------------|-------|----------------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | |
| | ----- 1,000 ----- | | -- Million Pounds -- | | Percent |
| AL | 37 | 35 | 143 | 139 | 97 |
| AK | 0.7 | 0.7 | 3 | 2.80 | 93 |
| AZ | 111 | 113 | 557 | 588 | 106 |
| AR | 62 | 61 | 192 | 189 | 98 |
| CA | 1,223 | 1,252 | 5,907 | 6,129 | 104 |
| CO | 80 | 83 | 367 | 392 | 107 |
| CT | 33 | 32 | 135 | 137 | 101 |
| DE | 10 | 10.5 | 37.6 | 40 | 106 |
| FL | 176 | 167 | 726 | 683 | 94 |
| GA | 102 | 102 | 432 | 437 | 101 |
| HI | 10.7 | 10.4 | 35.5 | 36 | 101 |
| ID | 197 | 221 | 822 | 966 | 118 |
| IL | 165 | 163 | 635 | 637 | 100 |
| IN | 145 | 145 | 559 | 554 | 99 |
| IA | 264 | 263 | 962 | 1,002 | 104 |
| KS | 76 | 82 | 265 | 300 | 113 |
| KY | 172 | 163 | 495 | 510 | 103 |
| LA | 79 | 80 | 258 | 264 | 102 |
| ME | 40 | 39 | 158 | 157 | 99 |
| MD | 94 | 92 | 334 | 350 | 105 |
| MA | 30 | 29 | 115 | 113 | 98 |
| MI | 329 | 326 | 1,331 | 1,382 | 104 |
| MN | 618 | 600 | 2,368 | 2,391 | 101 |
| MS | 58 | 57 | 203 | 205 | 101 |
| MO | 198 | 194 | 669 | 700 | 105 |
| MT | 21 | 21 | 72 | 79 | 110 |
| NE | 79 | 76 | 274 | 277 | 101 |
| NV | 21 | 23 | 93 | 98.9 | 106 |
| NH | 20 | 19 | 81 | 79 | 98 |
| NJ | 25 | 23 | 88 | 92 | 105 |
| NM | 154 | 178 | 771 | 905 | 117 |
| NY | 724 | 707 | 2,808 | 2,843 | 101 |
| NC | 91 | 89 | 383 | 380 | 99 |
| ND | 68 | 64 | 211 | 204 | 97 |
| OH | 299 | 289 | 1,123 | 1,150 | 102 |
| OK | 100 | 98 | 330 | 333 | 101 |
| OR | 100 | 100 | 414 | 415 | 100 |
| PA | 638 | 640 | 2,527 | 2,631 | 104 |
| RI | 2.3 | 2.2 | 8.1 | 8.2 | 101 |
| SC | 28 | 27 | 112 | 108 | 96 |
| SD | 121 | 120 | 384 | 394 | 103 |
| TN | 159 | 159 | 478 | 502 | 105 |
| TX | 400 | 399 | 1,631 | 1,646 | 101 |
| UT | 80 | 87 | 327 | 352 | 108 |
| VT | 160 | 156 | 611 | 622 | 102 |
| VA | 130 | 129 | 486 | 516 | 106 |
| WA | 257 | 261 | 1,241 | 1,297 | 105 |
| WV | 22 | 22 | 68 | 70 | 103 |
| WI | 1,489 | 1,499 | 5,308 | 5,623 | 106 |
| WY | 7 | 6.4 | 22 | 21 | 95 |
| US 3/ | 9,506 | 9,517 | 37,560 | 38,950 | 104 |

1/ Includes dry cows, excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.
 3/ Milk cows will not add due to rounding.

Milk Cows and Production: By State and United States
Preliminary April-June 1994-95

| State | Apr-Jun Milk Cows 1/ | | Apr-Jun Milk Production 2/ | | 1995 as % of 1994 |
|--------|----------------------|-------|----------------------------|--------|-------------------------|
| | 1994 | 1995 | 1994 | 1995 | |
| | ---- 1,000 ---- | | -- Million Pounds -- | | Percent |
| AL | 36 | 34 | 133 | 130 | 98 |
| AK | 0.7 | 0.7 | 3.44 | 2.98 | 87 |
| AZ | 120 | 115 | 569 | 596 | 105 |
| AR | 61 | 61 | 201 | 195 | 97 |
| CA | 1,232 | 1,254 | 6,393 | 6,477 | 101 |
| CO | 81 | 83 | 400 | 398 | 100 |
| CT | 33 | 32 | 139 | 135 | 97 |
| DE | 10 | 10.5 | 37.6 | 40 | 106 |
| FL | 178 | 163 | 725 | 625 | 86 |
| GA | 102 | 101 | 426 | 417 | 98 |
| HI | 10.9 | 10.6 | 37.4 | 39.5 | 106 |
| ID | 205 | 229 | 945 | 1,046 | 111 |
| IL | 165 | 163 | 659 | 666 | 101 |
| IN | 145 | 144 | 578 | 576 | 100 |
| IA | 264 | 262 | 996 | 1,038 | 104 |
| KS | 77 | 81 | 280 | 305 | 109 |
| KY | 169 | 163 | 515 | 540 | 105 |
| LA | 80 | 80 | 250 | 244 | 98 |
| ME | 40 | 39 | 165 | 165 | 100 |
| MD | 92 | 93 | 342 | 353 | 103 |
| MA | 30 | 29 | 118 | 116 | 98 |
| MI | 328 | 326 | 1,440 | 1,444 | 100 |
| MN | 610 | 597 | 2,476 | 2,485 | 100 |
| MS | 57 | 56 | 198 | 195 | 98 |
| MO | 198 | 193 | 720 | 725 | 101 |
| MT | 21 | 21 | 77 | 83 | 108 |
| NE | 77 | 76 | 279 | 280 | 100 |
| NV | 23 | 22 | 108 | 99 | 92 |
| NH | 20 | 19 | 82 | 82 | 100 |
| NJ | 24 | 23 | 90 | 94 | 104 |
| NM | 164 | 190 | 855 | 932 | 109 |
| NY | 721 | 704 | 3,008 | 3,005 | 100 |
| NC | 91 | 87 | 387 | 376 | 97 |
| ND | 69 | 63 | 228 | 211 | 93 |
| OH | 296 | 288 | 1,150 | 1,178 | 102 |
| OK | 100 | 98 | 330 | 343 | 104 |
| OR | 100 | 100 | 443 | 435 | 98 |
| PA | 637 | 639 | 2,645 | 2,741 | 104 |
| RI | 2.2 | 2.2 | 8.2 | 8.6 | 105 |
| SC | 28 | 27 | 106 | 104 | 98 |
| SD | 118 | 118 | 418 | 422 | 101 |
| TN | 158 | 156 | 507 | 520 | 103 |
| TX | 403 | 401 | 1,672 | 1,621 | 97 |
| UT | 86 | 89 | 368 | 383 | 104 |
| VT | 157 | 156 | 630 | 648 | 103 |
| VA | 130 | 129 | 481 | 505 | 105 |
| WA | 261 | 266 | 1,335 | 1,366 | 102 |
| WV | 22 | 22 | 68 | 70 | 103 |
| WI | 1,490 | 1,494 | 5,871 | 6,008 | 102 |
| WY | 7.1 | 6.1 | 23.4 | 19.9 | 85 |
| U S 3/ | 9.530 | 9.516 | 39,916 | 40,488 | 101 |

1/ Includes dry cows, excludes heifers not yet fresh.
2/ Excludes milk sucked by calves.
3/ Milk cows will not add due to rounding.

Grain and Other Concentrates: Quantity Fed Daily and Value
By State and United States, July 1, 1994-95

| State | Grain and Other Concentrates : Fed Daily per Milk Cow | | Value per 100 Pounds of Concentrate Ration Fed to Milk Cows | |
|-------|--|------|--|-------|
| | 1994 | 1995 | 1994 | 1995 |
| | ----- Pounds ----- | | ----- Dollars ----- | |
| AL | 17.2 | 18.5 | 8.70 | 8.30 |
| AK | 19.5 | 19.5 | 13.50 | 13.80 |
| AZ | 22.4 | 21.0 | 7.70 | 7.30 |
| AR | 16.7 | 18.0 | 8.30 | 7.90 |
| CA | 21.0 | 21.0 | 7.65 | 7.50 |
| CO | 23.0 | 22.0 | 7.30 | 6.80 |
| CT | 17.0 | 16.5 | 9.00 | 8.90 |
| DE | 16.0 | 16.5 | 9.10 | 9.00 |
| FL | 25.0 | 25.0 | 7.80 | 6.75 |
| GA | 21.8 | 23.0 | 8.10 | 7.50 |
| ID | 21.0 | 24.0 | 6.70 | 7.20 |
| IL | 17.5 | 17.3 | 8.40 | 8.25 |
| IN | 16.4 | 17.0 | 7.75 | 7.90 |
| IA | 16.7 | 16.8 | 8.10 | 7.20 |
| KS | 19.8 | 19.0 | 7.80 | 6.90 |
| KY | 15.8 | 16.0 | 9.00 | 8.80 |
| LA | 18.5 | 17.0 | 8.65 | 8.10 |
| ME | 15.0 | 16.0 | 9.40 | 8.50 |
| MD | 13.0 | 14.2 | 8.90 | 9.05 |
| MA | 15.0 | 15.0 | 9.40 | 8.80 |
| MI | 16.5 | 17.5 | 7.15 | 6.95 |
| MN | 16.7 | 16.8 | 7.90 | 7.70 |
| MS | 16.6 | 17.2 | 8.50 | 8.10 |
| MO | 18.2 | 18.0 | 8.10 | 7.80 |
| MT | 17.4 | 16.3 | 7.50 | 7.25 |
| NE | 17.3 | 17.0 | 7.70 | 7.40 |
| NV | 20.0 | 20.0 | 8.00 | 7.80 |
| NH | 16.5 | 16.5 | 9.10 | 8.40 |
| NJ | 15.0 | 14.4 | 8.80 | 8.90 |
| NM | 24.0 | 27.0 | 6.60 | 6.30 |
| NY | 14.7 | 14.9 | 9.30 | 9.10 |
| NC | 17.6 | 17.9 | 8.90 | 8.70 |
| ND | 15.9 | 15.9 | 5.90 | 5.95 |
| OH | 17.2 | 18.3 | 8.10 | 8.30 |
| OK | 19.0 | 19.5 | 8.10 | 7.80 |
| OR | 19.0 | 19.5 | 9.05 | 8.90 |
| PA | 16.2 | 16.0 | 9.40 | 9.25 |
| RI | 15.5 | 15.5 | 9.10 | 9.00 |
| SC | 18.5 | 18.5 | 8.15 | 7.85 |
| SD | 16.5 | 16.6 | 6.75 | 6.50 |
| TN | 16.0 | 16.0 | 9.30 | 8.80 |
| TX | 22.1 | 19.8 | 7.90 | 6.30 |
| UT | 20.1 | 17.5 | 7.40 | 7.50 |
| VT | 14.5 | 15.0 | 9.00 | 8.60 |
| VA | 14.7 | 15.6 | 8.20 | 8.20 |
| WA | 20.5 | 21.5 | 8.15 | 7.70 |
| WV | 14.8 | 14.7 | 8.90 | 8.95 |
| WI | 16.6 | 16.7 | 8.00 | 6.90 |
| WY | 12.6 | 11.9 | 6.20 | 7.05 |
| US | 18.2 | 18.3 | 8.10 | 7.66 |

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1993

| State | Annual Quantity Fed to Milk Cows | | | Annual Average Value of Feed per Cwt | Annual Average Feed Value per Cwt of Milk |
|-------|----------------------------------|---------|-----------------|--------------------------------------|---|
| | Total | Per Cow | Per Cwt of Milk | | |
| | 1,000 Tons | Pounds | | Dollars | |
| AL | 125 | 6,470 | 49 | 8.42 | 4.12 |
| AK | 3 | 6,970 | 41 | 13.50 | 5.57 |
| AZ | 414 | 8,100 | 44 | 7.27 | 3.22 |
| AR | 233 | 6,590 | 54 | 7.95 | 4.30 |
| CA | 4,472 | 7,390 | 39 | 7.40 | 2.89 |
| CO | 314 | 7,820 | 43 | 6.68 | 2.90 |
| CT | 103 | 6,070 | 38 | 8.62 | 3.31 |
| DE | 28 | 5,570 | 38 | 8.37 | 3.18 |
| FL | 883 | 9,920 | 69 | 7.24 | 5.02 |
| GA | 397 | 7,900 | 52 | 7.96 | 4.16 |
| ID | 728 | 7,690 | 45 | 6.58 | 2.97 |
| IL | 548 | 6,570 | 43 | 8.37 | 3.56 |
| IN | 452 | 6,260 | 40 | 7.60 | 3.04 |
| IA | 832 | 6,300 | 41 | 7.32 | 3.01 |
| KS | 281 | 6,930 | 52 | 7.21 | 3.73 |
| KY | 551 | 6,160 | 52 | 8.42 | 4.36 |
| LA | 257 | 6,510 | 55 | 8.36 | 4.62 |
| ME | 118 | 5,680 | 36 | 8.81 | 3.18 |
| MD | 275 | 5,690 | 39 | 8.81 | 3.45 |
| MA | 87 | 5,710 | 37 | 8.91 | 3.27 |
| MI | 1,004 | 6,090 | 37 | 6.94 | 2.60 |
| MN | 2,035 | 6,410 | 42 | 7.42 | 3.11 |
| MS | 198 | 6,690 | 53 | 8.14 | 4.29 |
| MO | 695 | 6,660 | 49 | 7.71 | 3.75 |
| MT | 69 | 6,280 | 45 | 7.34 | 3.28 |
| NE | 249 | 6,040 | 44 | 6.94 | 3.07 |
| NV | 77 | 7,660 | 44 | 8.02 | 3.51 |
| NH | 61 | 5,880 | 38 | 8.73 | 3.29 |
| NJ | 62 | 5,080 | 35 | 8.89 | 3.15 |
| NM | 617 | 9,060 | 47 | 6.42 | 3.04 |
| NY | 2,054 | 5,650 | 36 | 9.12 | 3.25 |
| NC | 309 | 6,530 | 41 | 8.91 | 3.66 |
| ND | 208 | 5,820 | 45 | 5.87 | 2.64 |
| OH | 969 | 6,360 | 42 | 8.12 | 3.41 |
| OK | 339 | 6,930 | 54 | 7.79 | 4.20 |
| OR | 330 | 6,600 | 39 | 8.82 | 3.45 |
| PA | 1,885 | 5,890 | 37 | 9.09 | 3.38 |
| RI | 6 | 5,460 | 39 | 8.31 | 3.28 |
| SC | 95 | 6,720 | 45 | 8.14 | 3.68 |
| SD | 373 | 5,960 | 46 | 6.48 | 3.01 |
| TN | 486 | 6,000 | 50 | 9.10 | 4.54 |
| TX | 1,657 | 8,400 | 56 | 7.62 | 4.26 |
| UT | 260 | 6,410 | 39 | 7.20 | 2.81 |
| VT | 451 | 5,560 | 36 | 8.73 | 3.17 |
| VA | 399 | 6,050 | 40 | 8.90 | 3.53 |
| WA | 971 | 7,560 | 39 | 8.00 | 3.13 |
| WV | 63 | 5,620 | 47 | 8.83 | 4.17 |
| WI | 4,913 | 6,370 | 43 | 7.44 | 3.19 |
| WY | 16 | 4,370 | 32 | 6.29 | 2.03 |
| US | 31,952 | 6,664 | 48.8 | 7.78 | 3.80 |

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1994

| State | Annual Quantity Fed to Milk Cows | | | Annual Average | Annual Average |
|-------|----------------------------------|---------|-----------------|-----------------------|----------------------------|
| | Total | Per Cow | Per Cwt of Milk | Value of Feed per Cwt | Feed Value per Cwt of Milk |
| | 1,000 Tons | Pounds | | Dollars | |
| AL | 119 | 6,490 | 48 | 8.60 | 4.12 |
| AK | 3 | 7,200 | 40 | 13.62 | 5.48 |
| AZ | 490 | 8,460 | 46 | 7.57 | 3.45 |
| AR | 201 | 6,540 | 53 | 8.21 | 4.34 |
| CA | 4,878 | 7,900 | 39 | 7.79 | 3.02 |
| CO | 337 | 8,300 | 43 | 7.10 | 3.09 |
| CT | 104 | 6,280 | 39 | 8.81 | 3.45 |
| DE | 29 | 5,680 | 40 | 8.94 | 3.55 |
| FL | 877 | 9,990 | 67 | 7.34 | 4.94 |
| GA | 431 | 8,440 | 54 | 7.98 | 4.29 |
| ID | 807 | 7,760 | 43 | 6.68 | 2.85 |
| IL | 546 | 6,640 | 43 | 8.22 | 3.57 |
| IN | 497 | 6,850 | 44 | 8.00 | 3.55 |
| IA | 811 | 6,130 | 41 | 7.68 | 3.15 |
| KS | 277 | 7,080 | 50 | 7.54 | 3.76 |
| KY | 513 | 6,090 | 51 | 8.72 | 4.47 |
| LA | 265 | 6,670 | 57 | 8.44 | 4.82 |
| ME | 115 | 5,750 | 36 | 9.18 | 3.34 |
| MD | 258 | 5,590 | 39 | 8.90 | 3.49 |
| MA | 81 | 5,590 | 36 | 9.21 | 3.33 |
| MI | 998 | 6,090 | 36 | 6.99 | 2.54 |
| MN | 1,962 | 6,440 | 42 | 7.74 | 3.24 |
| MS | 184 | 6,410 | 50 | 8.48 | 4.27 |
| MO | 681 | 6,900 | 50 | 7.87 | 3.91 |
| MT | 68 | 6,430 | 44 | 7.42 | 3.28 |
| NE | 255 | 6,630 | 46 | 7.50 | 3.45 |
| NV | 85 | 7,530 | 41 | 8.34 | 3.46 |
| NH | 57 | 5,790 | 37 | 8.85 | 3.30 |
| NJ | 61 | 5,000 | 35 | 8.74 | 3.04 |
| NM | 765 | 9,270 | 46 | 6.58 | 3.06 |
| NY | 2,000 | 5,570 | 35 | 9.24 | 3.23 |
| NC | 303 | 6,710 | 41 | 8.99 | 3.69 |
| ND | 199 | 5,880 | 46 | 5.93 | 2.72 |
| OH | 951 | 6,460 | 42 | 8.48 | 3.53 |
| OK | 349 | 7,050 | 55 | 8.14 | 4.47 |
| OR | 343 | 6,860 | 40 | 9.04 | 3.58 |
| PA | 1,943 | 6,080 | 38 | 9.22 | 3.47 |
| RI | 6 | 5,600 | 39 | 8.85 | 3.43 |
| SC | 95 | 6,750 | 46 | 8.09 | 3.73 |
| SD | 364 | 6,090 | 46 | 6.70 | 3.09 |
| TN | 489 | 6,160 | 50 | 9.18 | 4.59 |
| TX | 1,741 | 8,670 | 56 | 7.82 | 4.38 |
| UT | 285 | 6,660 | 40 | 7.34 | 2.94 |
| VT | 441 | 5,590 | 36 | 8.94 | 3.25 |
| VA | 384 | 5,920 | 40 | 8.87 | 3.54 |
| WA | 1,039 | 7,970 | 40 | 8.14 | 3.22 |
| WV | 63 | 5,690 | 46 | 8.97 | 4.13 |
| WI | 4,819 | 6,450 | 43 | 7.64 | 3.28 |
| WY | 15 | 4,340 | 34 | 6.32 | 2.13 |
| US | 32,584 | 6,846 | 44.0 | 7.98 | 3.51 |

Survey Procedures: Primary data used to determine these estimates were obtained from a sample of producers. Individual States maintain a list of all known milk producers and information on the size of their herd. States use all known sources of producers to ensure that their lists are as complete as possible. Generally, all large producers and a sample of small producers are included in the survey. Questionnaires are mailed to producers near the end of the month to obtain data for the first day of the month. Additional reports are obtained by telephone, as needed, to supplement the mail response.

Estimation Procedures: State offices prepare these estimates using survey indications, historic trends, and any available administrative data. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Milk production, rate per cow, and number of cows are subject to revision the following month for monthly States or the following quarter for the quarterly States. Normally, Federal Market Order sales are the main basis for revisions. However, data for all orders are not available in time for this revision. Estimates are again subject to revisions in February each year based on additional administrative data. In the event that additional changes are necessary, a third revision is possible in February the following year. Estimates are again reviewed after data from the five-year Census of Agriculture, conducted by the Department of Commerce, are available. No revisions are made after that date.

Reliability: Since all operations with dairy animals are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "**Root Mean Square Error**" is shown for selected items in the table below. The "**Root Mean Square Error**" is a statistical measure based on past performance and is computed using the differences between first and final estimates. The "**Root Mean Square Error**" for milk cow inventory estimates over the past 10 quarters is 1.1 percent. This means that chances are 2 out of 3 that the final April-June estimate will not be above or below the current estimate of 9.52 million head by more than 1.1 percent, or about 105,000 head. Chances are 9 out of 10 that the difference will not exceed 2.1 percent, or about 200,000 head (the 90 percent confidence level).

Reliability of April-June Milk Estimates 1/

| Item | Root Mean Square Error | 90% Confidence Level | Difference Between First and Final Estimates 1/ | | | | Number of Quarters | |
|-----------------|------------------------|----------------------|---|----------|---------|-------------------|--------------------|---|
| | | | Average | Smallest | Largest | First Above Final | First Below Final | |
| | - Percent - | | ----- Mil Lbs. ----- | | | | - Number - | |
| Milk Production | 0.6 | 1.1 | 445 | 204 | 38 | 426 | 8 | 2 |
| | | | ----- 1,000 Head ----- | | | | | |
| All Milk Cows | 1.1 | 2.1 | 200 | 97 | 12 | 188 | 10 | 0 |

1/ Based on records for the past 10 April-June quarters.

