



NASS

FACT FINDERS FOR AGRICULTURE
UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C.

Cattle Death Loss

Released May 5, 2006, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on *Cattle Death Loss* call Mike Miller at 202-720-3040, office hours 7:30 a.m. to 4:00 p.m. ET.

Cattle and Calf Death Losses

Cattle and calf losses from animal predators and non-predator causes in the United States totaled 4.05 million head (excluding Alaska). This report provides detailed breakouts of cattle and calf losses by predators and non-predator causes, as well as data on non-lethal predator control measures.

Cattle and calf losses from animal predators totaled 190,000 head. This represented 4.7 percent of the total losses from all causes and resulted in a loss of \$92.7 million to farmers and ranchers. Coyotes and dogs caused the majority of cattle and calf losses accounting for 51.1 percent and 11.5 percent respectively.

Cattle and calf losses from non-predator causes totaled 3.86 million head or 95.3 percent of the total losses. Respiratory problems was the leading cause of non-predator deaths accounting for 28.7 percent, followed by digestive problems at 16.8 percent.

Farmers and ranchers throughout the United States spent 199.1 million dollars on non-lethal methods to control predators. Use of guard animals was the most common method at 38.0 percent. Exclusion fencing, frequent checking, and culling were the next most commonly used methods of preventing cattle and calf losses at 34.0 percent, 21.8 percent, and 19.6 percent respectively.

This report is released as a cooperative effort between the National Agricultural Statistics Service and Animal and Plant Health Inspection Service - Wildlife Services and Veterinary Services.

Contents

Page

| | |
|--|----|
| Number and Value of Losses of Cattle and Calves | 1 |
| Losses of Cattle and Calves by Predators and Non-Predator Causes | 2 |
| Losses of Cattle and Calves Value per Head and Total Value | 3 |
| Losses of Cattle and Calves by Predators | 4 |
| Losses of Cattle and Calves from Non-Predator Causes | 7 |
| Non-Lethal Prevention Methods | 13 |
| Reliability of Cattle and Calves Predator Loss Estimates | 15 |
| Information Contacts | 15 |

**Losses of Cattle and Calves: Predator and Non-Predator
Number of Head and Total Value, United States, 2005 ¹**

| Cause | Number of Head | % of Total | Total Value |
|--|-------------------|----------------|----------------------|
| | <i>Number</i> | <i>Percent</i> | <i>1,000 Dollars</i> |
| Predator | | | |
| Coyotes | 97,000 | 51.1 | 43,911 |
| Dogs | 21,900 | 11.5 | 10,786 |
| Mountain Lions & Bobcats ² | 14,700 | 7.7 | 7,590 |
| Vultures ³ | 8,600 | 4.5 | 3,807 |
| Wolves | 4,400 | 2.3 | 2,087 |
| Bears | 2,800 | 1.5 | 1,453 |
| Other Predators | 9,300 | 4.9 | 5,735 |
| Unknown Predators ⁴ | 31,300 | 16.5 | 17,305 |
| Total Predator | 190,000 | 100.0 | 92,674 |
| Non-Predator | | | |
| Digestive Problems | 648,000 | 16.8 | 367,441 |
| Respiratory Problems | 1,110,000 | 28.7 | 692,430 |
| Metabolic Problems | 78,000 | 2.0 | 64,991 |
| Mastitis | 67,000 | 1.7 | 64,695 |
| Other Diseases | 174,000 | 4.5 | 124,833 |
| Lameness/Injury | 132,000 | 3.4 | 104,427 |
| Weather Related | 275,000 | 7.1 | 172,491 |
| Calving Problems | 572,000 | 14.8 | 328,193 |
| Poisoning | 39,000 | 1.0 | 28,736 |
| Theft | 21,000 | 0.5 | 13,920 |
| Other Non-Predator | 271,000 | 7.0 | 225,066 |
| Unknown Non-Predator | 474,000 | 12.3 | 311,352 |
| Total Non-Predator | 3,861,000 | 100.0 | 2,498,575 |
| US Total | 4,051,000 | 100.0 | 2,591,249 |

¹ Totals may not add due to rounding. Cattle includes all cows, bulls, steers, and heifers weighing over 500 pounds. This includes beef and milk breeds as well as cattle on feed. Calves include beef and milk breed steers, heifers, and bulls weighing less than 500 pounds.

² Includes cougars, pumas, and lynx.

³ Reports of death loss to cattle/calves by vultures is primarily due to black vultures and will occur only in states where this species ranges. See range map of black vultures at: http://www.birds.cornell.edu/AllAboutBirds/BirdGuide/Black_Vulture_dtl.html#map.

⁴ The category of unknown predators was not included in the "Cattle Predator Loss" report released May 2001.

**Losses of Cattle and Calves: By All Causes, Predators and Non-Predators,
Number by State and United States, 2005 ¹**

| State | All Causes | | Predators | | Non-Predators | |
|-------|-------------|-------------|-------------|-------------|---------------|-------------|
| | Cattle | Calves | Cattle | Calves | Cattle | Calves |
| | <i>Head</i> | <i>Head</i> | <i>Head</i> | <i>Head</i> | <i>Head</i> | <i>Head</i> |
| AL | 21,000 | 28,000 | 1,500 | 5,500 | 19,500 | 22,500 |
| AZ | 24,000 | 22,000 | 700 | 2,600 | 23,300 | 19,400 |
| AR | 30,000 | 43,000 | 1,800 | 4,500 | 28,200 | 38,500 |
| CA | 100,000 | 165,000 | 1,400 | 5,100 | 98,600 | 159,900 |
| CO | 50,000 | 55,000 | 700 | 4,000 | 49,300 | 51,000 |
| CT | 900 | 1,000 | | | 900 | 1,000 |
| DE | 600 | 700 | | | 600 | 700 |
| FL | 25,000 | 35,000 | 1,700 | 6,100 | 23,300 | 28,900 |
| GA | 21,000 | 31,000 | 1,700 | 5,900 | 19,300 | 25,100 |
| HI | 3,000 | 2,000 | 200 | 300 | 2,800 | 1,700 |
| ID | 42,000 | 63,000 | 500 | 2,000 | 41,500 | 61,000 |
| IL | 21,000 | 35,000 | 200 | 2,200 | 20,800 | 32,800 |
| IN | 15,000 | 29,000 | 300 | 1,200 | 14,700 | 27,800 |
| IA | 65,000 | 110,000 | | 1,400 | 65,000 | 108,600 |
| KS | 135,000 | 70,000 | 700 | 3,900 | 134,300 | 66,100 |
| KY | 35,000 | 76,000 | 1,400 | 5,800 | 33,600 | 70,200 |
| LA | 26,000 | 20,000 | 900 | 3,700 | 25,100 | 16,300 |
| ME | 1,600 | 3,100 | | | 1,600 | 3,100 |
| MD | 3,000 | 5,000 | | 100 | 3,000 | 4,900 |
| MA | 1,000 | 1,000 | | 100 | 1,000 | 900 |
| MI | 25,000 | 47,000 | | 400 | 25,000 | 46,600 |
| MN | 42,000 | 82,000 | 100 | 1,700 | 41,900 | 80,300 |
| MS | 22,000 | 29,000 | 1,200 | 2,600 | 20,800 | 26,400 |
| MO | 70,000 | 120,000 | 1,400 | 4,000 | 68,600 | 116,000 |
| MT | 20,000 | 46,000 | 600 | 2,400 | 19,400 | 43,600 |
| NE | 95,000 | 75,000 | 500 | 2,200 | 94,500 | 72,800 |
| NV | 6,000 | 13,000 | 200 | 1,100 | 5,800 | 11,900 |
| NH | 800 | 1,000 | | | 800 | 1,000 |
| NJ | 1,000 | 1,000 | | | 1,000 | 1,000 |
| NM | 26,000 | 35,000 | 2,200 | 4,800 | 23,800 | 30,200 |
| NY | 35,000 | 50,000 | 100 | 800 | 34,900 | 49,200 |
| NC | 15,000 | 22,000 | 500 | 1,800 | 14,500 | 20,200 |
| ND | 12,000 | 40,000 | 500 | 2,300 | 11,500 | 37,700 |
| OH | 22,000 | 33,000 | 400 | 1,900 | 21,600 | 31,100 |
| OK | 100,000 | 135,000 | 2,000 | 9,600 | 98,000 | 125,400 |
| OR | 23,000 | 42,000 | 400 | 4,100 | 22,600 | 37,900 |
| PA | 33,000 | 45,000 | 1,000 | 2,000 | 32,000 | 43,000 |
| RI | 100 | 200 | | | 100 | 200 |
| SC | 6,000 | 10,000 | 200 | 1,400 | 5,800 | 8,600 |
| SD | 53,000 | 85,000 | 300 | 2,300 | 52,700 | 82,700 |
| TN | 38,000 | 63,000 | 1,200 | 5,400 | 36,800 | 57,600 |
| TX | 300,000 | 270,000 | 4,100 | 35,000 | 295,900 | 235,000 |
| UT | 15,000 | 26,000 | 100 | 2,500 | 14,900 | 23,500 |
| VT | 6,000 | 8,000 | 100 | 200 | 5,900 | 7,800 |
| VA | 27,000 | 56,000 | 1,400 | 3,800 | 25,600 | 52,200 |
| WA | 21,000 | 23,000 | 900 | 1,600 | 20,100 | 21,400 |
| WV | 7,000 | 11,000 | 100 | 1,500 | 6,900 | 9,500 |
| WI | 65,000 | 140,000 | 300 | 2,700 | 64,700 | 137,300 |
| WY | 11,000 | 31,000 | 500 | 3,500 | 10,500 | 27,500 |
| US | 1,717,000 | 2,334,000 | 34,000 | 156,000 | 1,683,000 | 2,178,000 |

¹ Totals may not add due to rounding.

**Losses of Cattle and Calves from Predators and Non-Predator Causes:
Total Value per Head and Total Value, by State and United States, 2005 ¹**

| State | Value per Head | | Total Value Predator Losses | | Total Value Non-Predator Losses | |
|-----------------|---------------------|---------------------|-----------------------------------|----------------------|---------------------------------------|----------------------|
| | Cattle ² | Calves ³ | Cattle | Calves | Cattle | Calves |
| | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> |
| AL | 864 | 381 | 1,296 | 2,096 | 16,848 | 8,573 |
| AZ | 873 | 378 | 611 | 983 | 20,341 | 7,333 |
| AR | 905 | 387 | 1,629 | 1,742 | 25,521 | 14,900 |
| CA | 962 | 363 | 1,347 | 1,851 | 94,853 | 58,044 |
| CO | 1,045 | 408 | 732 | 1,632 | 51,519 | 20,808 |
| CT | 996 | 300 | | | 896 | 300 |
| DE | 996 | 330 | | | 598 | 231 |
| FL | 836 | 390 | 1,421 | 2,379 | 19,479 | 11,271 |
| GA | 791 | 375 | 1,345 | 2,213 | 15,266 | 9,413 |
| HI | 483 | 288 | 97 | 86 | 1,352 | 490 |
| ID | 985 | 378 | 493 | 756 | 40,878 | 23,058 |
| IL | 989 | 363 | 198 | 799 | 20,571 | 11,906 |
| IN | 1,007 | 351 | 302 | 421 | 14,803 | 9,758 |
| IA | 1,080 | 393 | | 550 | 70,200 | 42,680 |
| KS | 1,042 | 420 | 729 | 1,638 | 139,941 | 27,762 |
| KY | 917 | 369 | 1,284 | 2,140 | 30,811 | 25,904 |
| LA | 869 | 369 | 782 | 1,365 | 21,812 | 6,015 |
| ME | 996 | 315 | | | 1,594 | 977 |
| MD | 996 | 330 | | 33 | 2,988 | 1,617 |
| MA | 996 | 300 | | 30 | 996 | 270 |
| MI | 978 | 396 | | 158 | 24,450 | 18,454 |
| MN | 970 | 399 | 97 | 678 | 40,643 | 32,040 |
| MS | 864 | 369 | 1,037 | 959 | 17,971 | 9,742 |
| MO | 991 | 399 | 1,387 | 1,596 | 67,983 | 46,284 |
| MT | 1,129 | 414 | 677 | 994 | 21,903 | 18,050 |
| NE | 1,119 | 426 | 560 | 937 | 105,746 | 31,013 |
| NV | 1,030 | 411 | 206 | 452 | 5,974 | 4,891 |
| NH | 996 | 315 | | | 797 | 315 |
| NJ | 996 | 390 | | | 996 | 390 |
| NM | 991 | 393 | 2,180 | 1,886 | 23,586 | 11,869 |
| NY | 996 | 420 | 100 | 336 | 34,760 | 20,664 |
| NC | 864 | 357 | 432 | 643 | 12,528 | 7,211 |
| ND | 1,153 | 405 | 577 | 932 | 13,260 | 15,269 |
| OH | 866 | 354 | 346 | 673 | 18,706 | 11,009 |
| OK | 918 | 396 | 1,836 | 3,802 | 89,964 | 49,658 |
| OR | 966 | 357 | 386 | 1,464 | 21,832 | 13,530 |
| PA | 895 | 396 | 895 | 792 | 28,640 | 17,028 |
| RI | 996 | 300 | | | 100 | 60 |
| SC | 864 | 369 | 173 | 517 | 5,011 | 3,173 |
| SD | 1,163 | 411 | 349 | 945 | 61,290 | 33,990 |
| TN | 891 | 366 | 1,069 | 1,976 | 32,789 | 21,082 |
| TX | 913 | 408 | 3,743 | 14,280 | 270,157 | 95,880 |
| UT | 1,030 | 402 | 103 | 1,005 | 15,347 | 9,447 |
| VT | 996 | 315 | 100 | 63 | 5,876 | 2,457 |
| VA | 854 | 366 | 1,196 | 1,391 | 21,862 | 19,105 |
| WA | 1,030 | 375 | 927 | 600 | 20,703 | 8,025 |
| WV | 996 | 336 | 100 | 504 | 6,872 | 3,192 |
| WI | 959 | 489 | 288 | 1,320 | 62,047 | 67,140 |
| WY | 1,113 | 420 | 557 | 1,470 | 11,687 | 11,550 |
| US ⁴ | 970 | 396 | 31,587 | 61,087 | 1,634,747 | 863,828 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. This data is included in the Unpublished States and in the United States.

² Cattle value per head is based on a two-year straight average of the value of beef cows reported in the January 1 Cattle survey from 2005 and 2006.

³ Calf value per head is based on the market year average calf price. An average weight of 300 pounds was used in all States.

⁴ U.S. value per head rounded to the nearest dollar. U.S. value per head derived. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent by Coyotes and Dogs,
by State and United States, 2005¹**

| State State | Coyotes | | | | Dogs | | | |
|----------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|
| | Cattle | % Total Predator | Calves | % Total Predator | Cattle | % Total Predator | Calves | % Total Predator |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 500 | 33.3 | 3,200 | 58.2 | 300 | 20.0 | 1,000 | 18.2 |
| AZ | | | 600 | 23.1 | | | 200 | 7.7 |
| AR | 400 | 22.2 | 1,800 | 40.0 | 100 | 5.6 | 600 | 13.3 |
| CA | 100 | 7.1 | 3,000 | 58.8 | 200 | 14.3 | 600 | 11.8 |
| CO | 500 | 71.4 | 2,300 | 57.5 | | | 200 | 5.0 |
| CT | | | | | | | | |
| DE | | | | | | | | |
| FL | 700 | 41.2 | 3,600 | 59.0 | | | 500 | 8.2 |
| GA | 1,200 | 70.6 | 3,400 | 57.6 | 100 | 5.9 | 700 | 11.9 |
| HI | | | | | 100 | 50.0 | 200 | 66.7 |
| ID | | | 600 | 30.0 | | | 100 | 5.0 |
| IL | 100 | 50.0 | 1,100 | 50.0 | 100 | 50.0 | 300 | 13.6 |
| IN | 100 | 33.3 | 1,000 | 83.3 | | | 100 | 8.3 |
| IA | | | 1,100 | 78.6 | | | 100 | 7.1 |
| KS | 400 | 57.1 | 2,000 | 51.3 | 100 | 14.3 | 700 | 17.9 |
| KY | 400 | 28.6 | 3,700 | 63.8 | 300 | 21.4 | 400 | 6.9 |
| LA | | | 2,400 | 64.9 | 600 | 66.7 | 400 | 10.8 |
| ME | | | | | | | | |
| MD | | | | | | | | |
| MA | | | 100 | 100.0 | | | | |
| MI | | | 200 | 50.0 | | | | |
| MN | | | 700 | 41.2 | | | | |
| MS | | | 600 | 23.1 | 100 | 8.3 | 700 | 26.9 |
| MO | | | 1,100 | 27.5 | 600 | 42.9 | 1,500 | 37.5 |
| MT | | | 1,300 | 54.2 | | | 100 | 4.2 |
| NE | 200 | 40.0 | 1,700 | 77.3 | | | 100 | 4.5 |
| NV | 100 | 50.0 | 1,000 | 90.9 | | | | |
| NH | | | | | | | | |
| NJ | | | | | | | | |
| NM | 900 | 40.9 | 1,900 | 39.6 | 100 | 4.5 | 200 | 4.2 |
| NY | 100 | 100.0 | 700 | 87.5 | | | | |
| NC | 400 | 80.0 | 900 | 50.0 | | | 600 | 33.3 |
| ND | 100 | 20.0 | 1,700 | 73.9 | | | | |
| OH | 100 | 25.0 | 1,100 | 57.9 | | | 300 | 15.8 |
| OK | 800 | 40.0 | 4,300 | 44.8 | 200 | 10.0 | 2,300 | 24.0 |
| OR | 100 | 25.0 | 2,200 | 53.7 | | | | |
| PA | | | 300 | 15.0 | | | | |
| RI | | | | | | | | |
| SC | 200 | 100.0 | 800 | 57.1 | | | 100 | 7.1 |
| SD | 200 | 66.7 | 1,700 | 73.9 | | | 200 | 8.7 |
| TN | 600 | 50.0 | 3,500 | 64.8 | | | 1,100 | 20.4 |
| TX | 1,700 | 41.5 | 21,000 | 60.0 | 600 | 14.6 | 2,900 | 8.3 |
| UT | | | 1,600 | 64.0 | | | | |
| VT | | | 100 | 50.0 | | | | |
| VA | 600 | 42.9 | 1,700 | 44.7 | 200 | 14.3 | 1,000 | 26.3 |
| WA | | | 600 | 37.5 | | | | |
| WV | | | 1,300 | 86.7 | | | | |
| WI | | | 2,000 | 74.1 | | | | |
| WY | 100 | 20.0 | 2,100 | 60.0 | | | 100 | 2.9 |
| Unpub | 400 | | | | 700 | | 200 | |
| US | 11,000 | 32.4 | 86,000 | 55.1 | 4,400 | 12.9 | 17,500 | 11.2 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. This data is included in Unpublished States and in United States. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent by Mountain Lions,
Bobcats and Other Predators, by State and United States, 2005 ¹**

| State State | Mountain Lions and Bobcats | | | | Other Predators | | | |
|----------------|----------------------------|---------------------|-------------|---------------------|-----------------|---------------------|-------------|---------------------|
| | Cattle | % Total Predator | Calves | % Total Predator | Cattle | % Total Predator | Calves | % Total Predator |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | | | | | 100 | 6.7 | 400 | 7.3 |
| AZ | 100 | 14.3 | 1,200 | 46.2 | | | 100 | 3.8 |
| AR | 100 | 5.6 | 300 | 6.7 | 100 | 5.6 | 300 | 6.7 |
| CA | 1,000 | 71.4 | 1,300 | 25.5 | | | | |
| CO | | | 600 | 15.0 | 100 | 14.3 | 200 | 5.0 |
| CT | | | | | | | | |
| DE | | | | | | | | |
| FL | | | | | 700 | 41.2 | 1,100 | 18.0 |
| GA | | | | | 100 | 5.9 | 400 | 6.8 |
| HI | | | | | | | | |
| ID | | | 200 | 10.0 | 400 | 80.0 | 600 | 30.0 |
| IL | | | | | | | | |
| IN | | | | | 100 | 33.3 | | |
| IA | | | | | | | | |
| KS | | | 500 | 12.8 | | | 100 | 2.6 |
| KY | | | | | 200 | 14.3 | 200 | 3.4 |
| LA | | | | | | | 300 | 8.1 |
| ME | | | | | | | | |
| MD | | | | | | | | |
| MA | | | | | | | | |
| MI | | | | | | | 200 | 50.0 |
| MN | | | | | | | 800 | 47.1 |
| MS | | | | | | | 200 | 7.7 |
| MO | | | 200 | 5.0 | 700 | 50.0 | 1,000 | 25.0 |
| MT | | | 200 | 8.3 | 200 | 33.3 | 500 | 20.8 |
| NE | 100 | 20.0 | 200 | 9.1 | | | | |
| NV | | | 100 | 9.1 | | | | |
| NH | | | | | | | | |
| NJ | | | | | | | | |
| NM | 700 | 31.8 | 1,700 | 35.4 | 200 | 9.1 | 200 | 4.2 |
| NY | | | | | | | | |
| NC | | | | | | | 200 | 11.1 |
| ND | | | | | | | | |
| OH | | | | | | | 300 | 15.8 |
| OK | 100 | 5.0 | 700 | 7.3 | 400 | 20.0 | 1,500 | 15.6 |
| OR | 200 | 50.0 | 1,300 | 31.7 | | | | |
| PA | | | | | | | 200 | 10.0 |
| RI | | | | | | | | |
| SC | | | | | | | | |
| SD | | | 200 | 8.7 | | | | |
| TN | | | | | | | 300 | 5.6 |
| TX | 200 | 4.9 | 1,000 | 2.9 | 700 | 17.1 | 6,900 | 19.7 |
| UT | | | 300 | 12.0 | | | 500 | 20.0 |
| VT | | | | | | | | |
| VA | | | | | 400 | 28.6 | 600 | 15.8 |
| WA | 200 | 22.2 | 600 | 37.5 | 300 | 33.3 | 300 | 18.8 |
| WV | | | | | | | 200 | 13.3 |
| WI | | | | | 200 | 66.7 | 600 | 22.2 |
| WY | 100 | 20.0 | 400 | 11.4 | 300 | 60.0 | 900 | 25.7 |
| Unpub | 400 | | 500 | | 400 | | 400 | |
| US | 3,200 | 9.4 | 11,500 | 7.4 | 5,600 | 16.5 | 19,500 | 12.5 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

² Includes cougars, pumas, and lynx.

**Losses of Cattle and Calves: Number and Percent by Unknown Predators,
by State and United States, 2005 ¹**

| State | Unknown Predators | | | |
|-------|-------------------|-------------------------|-------------|-------------------------|
| | Cattle | % Total Predators | Calves | % Total Predators |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 600 | 40.0 | 900 | 16.4 |
| AZ | 500 | 71.4 | 500 | 19.2 |
| AR | 1,100 | 61.1 | 1,500 | 33.3 |
| CA | 100 | 7.1 | 200 | 3.9 |
| CO | | | 700 | 17.5 |
| CT | | | | |
| DE | | | | |
| FL | 200 | 11.8 | 900 | 14.8 |
| GA | 300 | 17.6 | 1,400 | 23.7 |
| HI | | | 100 | 33.3 |
| ID | 100 | 20.0 | 500 | 25.0 |
| IL | | | 600 | 27.3 |
| IN | | | | |
| IA | | | | |
| KS | | | 600 | 15.4 |
| KY | 500 | 35.7 | 1,500 | 25.9 |
| LA | 100 | 11.1 | 600 | 16.2 |
| ME | | | | |
| MD | | | | |
| MA | | | | |
| MI | | | | |
| MN | | | 200 | 11.8 |
| MS | 1,000 | 83.3 | 1,100 | 42.3 |
| MO | | | 200 | 5.0 |
| MT | 200 | 33.3 | 300 | 12.5 |
| NE | | | | |
| NV | | | | |
| NH | | | | |
| NJ | | | | |
| NM | 300 | 13.6 | 800 | 16.7 |
| NY | | | | |
| NC | 100 | 20.0 | 100 | 5.6 |
| ND | 400 | 80.0 | 500 | 21.7 |
| OH | 300 | 75.0 | 200 | 10.5 |
| OK | 500 | 25.0 | 800 | 8.3 |
| OR | | | 500 | 12.2 |
| PA | 1,000 | 100.0 | 1,500 | 75.0 |
| RI | | | | |
| SC | | | 400 | 28.6 |
| SD | | | 200 | 8.7 |
| TN | 400 | 33.3 | 500 | 9.3 |
| TX | 900 | 22.0 | 3,200 | 9.1 |
| UT | | | 100 | 4.0 |
| VT | | | | |
| VA | 200 | 14.3 | 500 | 13.2 |
| WA | 400 | 44.4 | 100 | 6.3 |
| WV | | | | |
| WI | | | 100 | 3.7 |
| WY | | | | |
| Unpub | 600 | | 200 | |
| US | 9,800 | 28.8 | 21,500 | 13.8 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. This data is included in Unpublished States and in United States. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent from Digestive
and Respiratory Problems, by State and United States, 2005 ¹**

| State | Digestive Problems | | | | Respiratory Problems | | | |
|-------|--------------------|---------------------|-------------|---------------------|----------------------|---------------------|-------------|---------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 1,700 | 8.7 | 1,300 | 5.8 | 1,600 | 8.2 | 4,600 | 20.4 |
| AZ | 1,900 | 8.2 | 4,400 | 22.7 | 1,300 | 5.6 | 4,900 | 25.3 |
| AR | 1,700 | 6.0 | 3,800 | 9.9 | 4,500 | 16.0 | 11,300 | 29.4 |
| CA | 15,000 | 15.2 | 62,000 | 38.8 | 20,500 | 20.8 | 61,000 | 38.1 |
| CO | 7,800 | 15.8 | 10,500 | 20.6 | 16,600 | 33.7 | 15,200 | 29.8 |
| CT | | | 300 | 30.0 | | | 300 | 30.0 |
| DE | | | | | | | | |
| FL | 1,900 | 8.2 | 5,100 | 17.6 | 2,100 | 9.0 | 6,100 | 21.1 |
| GA | 1,200 | 6.2 | 4,200 | 16.7 | 2,600 | 13.5 | 6,200 | 24.7 |
| HI | | | | | | | | |
| ID | 3,200 | 7.7 | 20,000 | 32.8 | 6,900 | 16.6 | 19,600 | 32.1 |
| IL | 2,300 | 11.1 | 8,600 | 26.2 | 5,500 | 26.4 | 10,600 | 32.3 |
| IN | 1,700 | 11.6 | 6,800 | 24.5 | 3,100 | 21.1 | 11,200 | 40.3 |
| IA | 9,500 | 14.6 | 25,000 | 23.0 | 27,000 | 41.5 | 32,000 | 29.5 |
| KS | 28,500 | 21.2 | 6,600 | 10.0 | 77,200 | 57.5 | 28,000 | 42.4 |
| KY | 1,600 | 4.8 | 13,300 | 18.9 | 5,800 | 17.3 | 18,800 | 26.8 |
| LA | 800 | 3.2 | 900 | 5.5 | 1,600 | 6.4 | 3,900 | 23.9 |
| ME | 200 | 12.5 | 900 | 29.0 | 200 | 12.5 | 1,100 | 35.5 |
| MD | 200 | 6.7 | 500 | 10.2 | 500 | 16.7 | 1,800 | 36.7 |
| MA | | | 200 | 22.2 | | | 300 | 33.3 |
| MI | 3,400 | 13.6 | 17,200 | 36.9 | 5,300 | 21.2 | 14,100 | 30.3 |
| MN | 4,300 | 10.3 | 28,700 | 35.7 | 9,600 | 22.9 | 22,200 | 27.6 |
| MS | 800 | 3.8 | 1,100 | 4.2 | 2,300 | 11.1 | 5,900 | 22.3 |
| MO | 3,000 | 4.4 | 18,200 | 15.7 | 8,600 | 12.5 | 34,000 | 29.3 |
| MT | 1,500 | 7.7 | 5,500 | 12.6 | 3,100 | 16.0 | 7,800 | 17.9 |
| NE | 9,800 | 10.4 | 11,400 | 15.7 | 43,000 | 45.5 | 24,100 | 33.1 |
| NV | 500 | 8.6 | 1,800 | 15.1 | 1,000 | 17.2 | 5,800 | 48.7 |
| NH | 100 | 12.5 | 200 | 20.0 | | | 300 | 30.0 |
| NJ | 100 | 10.0 | 200 | 20.0 | | | 200 | 20.0 |
| NM | 1,300 | 5.5 | 1,600 | 5.3 | 3,300 | 13.9 | 6,100 | 20.2 |
| NY | 5,000 | 14.3 | 11,800 | 24.0 | 4,800 | 13.8 | 22,900 | 46.5 |
| NC | 1,600 | 11.0 | 3,400 | 16.8 | 3,500 | 24.1 | 3,300 | 16.3 |
| ND | 900 | 7.8 | 7,800 | 20.7 | 2,000 | 17.4 | 8,300 | 22.0 |
| OH | 4,900 | 22.7 | 11,400 | 36.7 | 7,300 | 33.8 | 10,400 | 33.4 |
| OK | 5,600 | 5.7 | 9,500 | 7.6 | 39,500 | 40.3 | 50,000 | 39.9 |
| OR | 1,600 | 7.1 | 9,700 | 25.6 | 7,500 | 33.2 | 12,600 | 33.2 |
| PA | 3,200 | 10.0 | 12,600 | 29.3 | 4,400 | 13.8 | 14,000 | 32.6 |
| RI | | | | | | | | |
| SC | 400 | 6.9 | 1,000 | 11.6 | 300 | 5.2 | 1,300 | 15.1 |
| SD | 6,200 | 11.8 | 17,200 | 20.8 | 13,800 | 26.2 | 30,000 | 36.3 |
| TN | 4,600 | 12.5 | 10,100 | 17.5 | 5,000 | 13.6 | 14,900 | 25.9 |
| TX | 31,500 | 10.6 | 26,000 | 11.1 | 54,500 | 18.4 | 88,000 | 37.4 |
| UT | 1,700 | 11.4 | 6,300 | 26.8 | 2,900 | 19.5 | 6,900 | 29.4 |
| VT | 400 | 6.8 | 2,800 | 35.9 | 400 | 6.8 | 2,100 | 26.9 |
| VA | 1,500 | 5.9 | 5,300 | 10.2 | 3,200 | 12.5 | 8,700 | 16.7 |
| WA | 4,000 | 19.9 | 5,200 | 24.3 | 3,000 | 14.9 | 8,500 | 39.7 |
| WV | 800 | 11.6 | 1,000 | 10.5 | 600 | 8.7 | 1,500 | 15.8 |
| WI | 6,700 | 10.4 | 55,000 | 40.1 | 9,200 | 14.2 | 45,000 | 32.8 |
| WY | 1,200 | 11.4 | 5,500 | 20.0 | 2,700 | 25.7 | 6,000 | 21.8 |
| Unpub | 200 | | 100 | | 200 | | 200 | |
| US | 186,000 | 11.1 | 462,000 | 21.2 | 418,000 | 24.8 | 692,000 | 31.8 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent from Metabolic Problems
and Mastitis, by State and United States, 2005 ¹**

| State | Metabolic Problems | | | | Mastitis | | | |
|-------|--------------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non-Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 300 | 1.5 | 600 | 2.7 | 200 | 1.0 | | |
| AZ | 400 | 1.7 | | | 900 | 3.9 | | |
| AR | 1,300 | 4.6 | 600 | 1.6 | 200 | 0.7 | | |
| CA | 8,400 | 8.5 | 2,200 | 1.4 | 14,000 | 14.2 | | |
| CO | 600 | 1.2 | 200 | 0.4 | 800 | 1.6 | | |
| CT | | | | | 200 | 22.2 | | |
| DE | | | | | | | | |
| FL | 800 | 3.4 | 500 | 1.7 | 800 | 3.4 | | |
| GA | 900 | 4.7 | 400 | 1.6 | 800 | 4.1 | | |
| HI | | | | | | | | |
| ID | 1,800 | 4.3 | | | 1,500 | 3.6 | | |
| IL | 800 | 3.8 | 200 | 0.6 | 1,000 | 4.8 | | |
| IN | 700 | 4.8 | 1,100 | 4.0 | 800 | 5.4 | | |
| IA | 800 | 1.2 | 800 | 0.7 | 1,300 | 2.0 | | |
| KS | 1,700 | 1.3 | 200 | 0.3 | 900 | 0.7 | | |
| KY | 1,000 | 3.0 | 1,000 | 1.4 | 500 | 1.5 | | |
| LA | 200 | 0.8 | | | 300 | 1.2 | | |
| ME | | | | | 200 | 12.5 | | |
| MD | 200 | 6.7 | | | 300 | 10.0 | | |
| MA | | | | | 100 | 10.0 | | |
| MI | 2,100 | 8.4 | 100 | 0.2 | 2,400 | 9.6 | | |
| MN | 2,300 | 5.5 | 400 | 0.5 | 2,800 | 6.7 | | |
| MS | | | | | 600 | 2.9 | | |
| MO | 1,200 | 1.7 | 700 | 0.6 | 800 | 1.2 | | |
| MT | 200 | 1.0 | 300 | 0.7 | | | | |
| NE | 800 | 0.8 | 100 | 0.1 | | | | |
| NV | 200 | 3.4 | | | 500 | 8.6 | | |
| NH | | | | | | | | |
| NJ | | | | | | | | |
| NM | 3,000 | 12.6 | | | 5,400 | 22.7 | | |
| NY | 3,900 | 11.2 | 200 | 0.4 | 5,600 | 16.0 | | |
| NC | 300 | 2.1 | | | 300 | 2.1 | | |
| ND | 300 | 2.6 | 300 | 0.8 | 100 | 0.9 | | |
| OH | 1,300 | 6.0 | 800 | 2.6 | 1,400 | 6.5 | | |
| OK | 900 | 0.9 | 600 | 0.5 | 400 | 0.4 | | |
| OR | 1,700 | 7.5 | 300 | 0.8 | 1,700 | 7.5 | | |
| PA | 3,000 | 9.4 | 1,000 | 2.3 | 3,800 | 11.9 | | |
| RI | | | | | | | | |
| SC | | | | | | | | |
| SD | 1,400 | 2.7 | 200 | 0.2 | 1,900 | 3.6 | | |
| TN | 1,700 | 4.6 | 600 | 1.0 | 900 | 2.4 | | |
| TX | 2,700 | 0.9 | 3,100 | 1.3 | 3,500 | 1.2 | | |
| UT | 600 | 4.0 | 200 | 0.9 | 700 | 4.7 | | |
| VT | 500 | 8.5 | | | 1,000 | 16.9 | | |
| VA | 700 | 2.7 | 100 | 0.2 | 800 | 3.1 | | |
| WA | 2,600 | 12.9 | 300 | 1.4 | 1,400 | 7.0 | | |
| WV | 400 | 5.8 | | | | | | |
| WI | 7,600 | 11.7 | 500 | 0.4 | 5,400 | 8.3 | | |
| WY | 200 | 1.9 | | | | | | |
| Unpub | 500 | | 400 | | 800 | | | |
| US | 60,000 | 3.6 | 18,000 | 0.8 | 67,000 | 4.0 | | |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent from Other Diseases
and Lameness/Injury, by State and United States, 2005 ¹**

| State | Other Diseases | | | | Lameness/Injury | | | |
|-------|----------------|---------------------|-------------|---------------------|-----------------|---------------------|-------------|---------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non-Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 300 | 1.5 | 1,000 | 4.4 | 900 | 4.6 | 800 | 3.6 |
| AZ | 300 | 1.3 | 2,800 | 14.4 | 600 | 2.6 | 300 | 1.5 |
| AR | 1,300 | 4.6 | 1,300 | 3.4 | 1,000 | 3.5 | 900 | 2.3 |
| CA | 7,500 | 7.6 | 3,500 | 2.2 | 7,300 | 7.4 | 7,300 | 4.6 |
| CO | 5,800 | 11.8 | 1,800 | 3.5 | 4,300 | 8.7 | 200 | 0.4 |
| CT | | | | | | | | |
| DE | | | | | | | | |
| FL | 1,000 | 4.3 | 700 | 2.4 | 700 | 3.0 | 400 | 1.4 |
| GA | 600 | 3.1 | 700 | 2.8 | 1,400 | 7.3 | 600 | 2.4 |
| HI | | | | | | | | |
| ID | 2,100 | 5.1 | 2,500 | 4.1 | 2,600 | 6.3 | 500 | 0.8 |
| IL | 600 | 2.9 | 900 | 2.7 | 2,100 | 10.1 | 300 | 0.9 |
| IN | 600 | 4.1 | 800 | 2.9 | 900 | 6.1 | 500 | 1.8 |
| IA | 2,500 | 3.8 | 4,300 | 4.0 | 3,100 | 4.8 | 1,000 | 0.9 |
| KS | 1,900 | 1.4 | 2,100 | 3.2 | 1,900 | 1.4 | 500 | 0.8 |
| KY | 2,200 | 6.5 | 2,800 | 4.0 | 1,600 | 4.8 | 1,100 | 1.6 |
| LA | 1,000 | 4.0 | 800 | 4.9 | 600 | 2.4 | 300 | 1.8 |
| ME | | | | | 200 | 12.5 | | |
| MD | 200 | 6.7 | 200 | 4.1 | 300 | 10.0 | | |
| MA | | | | | | | | |
| MI | 2,800 | 11.2 | 4,200 | 9.0 | 2,000 | 8.0 | 900 | 1.9 |
| MN | 2,400 | 5.7 | 2,900 | 3.6 | 4,100 | 9.8 | 1,000 | 1.2 |
| MS | 1,100 | 5.3 | 1,100 | 4.2 | 700 | 3.4 | 500 | 1.9 |
| MO | 4,500 | 6.6 | 4,000 | 3.4 | 2,300 | 3.4 | 1,600 | 1.4 |
| MT | 2,200 | 11.3 | 1,100 | 2.5 | 1,000 | 5.2 | 600 | 1.4 |
| NE | 3,200 | 3.4 | 1,000 | 1.4 | 3,900 | 4.1 | 800 | 1.1 |
| NV | | | 300 | 2.5 | 200 | 3.4 | | |
| NH | | | | | | | | |
| NJ | | | | | | | | |
| NM | 2,200 | 9.2 | | | 300 | 1.3 | 1,700 | 5.6 |
| NY | 2,800 | 8.0 | 3,400 | 6.9 | 4,300 | 12.3 | 700 | 1.4 |
| NC | 700 | 4.8 | 400 | 2.0 | 800 | 5.5 | 500 | 2.5 |
| ND | 800 | 7.0 | 1,000 | 2.7 | 800 | 7.0 | 400 | 1.1 |
| OH | 300 | 1.4 | 1,000 | 3.2 | 1,000 | 4.6 | 300 | 1.0 |
| OK | 6,800 | 6.9 | 6,000 | 4.8 | 2,800 | 2.9 | 1,500 | 1.2 |
| OR | 1,600 | 7.1 | 800 | 2.1 | 1,600 | 7.1 | 1,200 | 3.2 |
| PA | 3,500 | 10.9 | 1,900 | 4.4 | 3,700 | 11.6 | 1,400 | 3.3 |
| RI | | | | | | | | |
| SC | 200 | 3.4 | 500 | 5.8 | 300 | 5.2 | | |
| SD | 4,900 | 9.3 | 1,900 | 2.3 | 3,200 | 6.1 | 700 | 0.8 |
| TN | 1,000 | 2.7 | 4,000 | 6.9 | 2,700 | 7.3 | 1,300 | 2.3 |
| TX | 20,000 | 6.8 | 6,700 | 2.9 | 8,900 | 3.0 | 4,800 | 2.0 |
| UT | 500 | 3.4 | 1,200 | 5.1 | 500 | 3.4 | | |
| VT | 400 | 6.8 | 300 | 3.8 | 1,200 | 20.3 | 300 | 3.8 |
| VA | 1,400 | 5.5 | 1,700 | 3.3 | 1,200 | 4.7 | 500 | 1.0 |
| WA | 1,200 | 6.0 | 400 | 1.9 | 2,400 | 11.9 | 300 | 1.4 |
| WV | 300 | 4.3 | 100 | 1.1 | | | 200 | 2.1 |
| WI | 3,300 | 5.1 | 3,600 | 2.6 | 10,000 | 15.5 | 5,800 | 4.2 |
| WY | 600 | 5.7 | 800 | 2.9 | | | | |
| Unpub | 400 | | 500 | | 600 | | 300 | |
| US | 97,000 | 5.8 | 77,000 | 3.5 | 90,000 | 5.3 | 42,000 | 1.9 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent from Weather Related
and Calving Problems, by State and United States, 2005 ¹**

| State | Weather Related | | | | Calving Problems | | | |
|-------|-----------------|---------------------|-------------|---------------------|------------------|---------------------|-------------|---------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non-Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 2,100 | 10.8 | 1,100 | 4.9 | 4,000 | 20.5 | 5,900 | 26.2 |
| AZ | 700 | 3.0 | 3,000 | 15.5 | 1,100 | 4.7 | 700 | 3.6 |
| AR | 1,200 | 4.3 | 2,400 | 6.2 | 5,700 | 20.2 | 9,900 | 25.7 |
| CA | 2,200 | 2.2 | 2,500 | 1.6 | 10,300 | 10.4 | 6,400 | 4.0 |
| CO | 1,700 | 3.4 | 3,400 | 6.7 | 2,700 | 5.5 | 14,100 | 27.6 |
| CT | | | | | 200 | 22.2 | | |
| DE | | | | | | | 100 | 14.3 |
| FL | 2,700 | 11.6 | 3,100 | 10.7 | 3,200 | 13.7 | 3,300 | 11.4 |
| GA | 1,500 | 7.8 | 1,800 | 7.2 | 4,100 | 21.2 | 7,400 | 29.5 |
| HI | | | 200 | 11.8 | 200 | 7.1 | 100 | 5.9 |
| ID | 200 | 0.5 | 1,100 | 1.8 | 3,300 | 8.0 | 5,900 | 9.7 |
| IL | 900 | 4.3 | 3,600 | 11.0 | 3,000 | 14.4 | 5,100 | 15.5 |
| IN | 500 | 3.4 | 1,400 | 5.0 | 1,800 | 12.2 | 2,900 | 10.4 |
| IA | 3,500 | 5.4 | 9,400 | 8.7 | 6,500 | 10.0 | 25,000 | 23.0 |
| KS | 7,200 | 5.4 | 7,500 | 11.3 | 2,800 | 2.1 | 13,200 | 20.0 |
| KY | 2,500 | 7.4 | 4,800 | 6.8 | 5,400 | 16.1 | 12,500 | 17.8 |
| LA | 12,700 | 50.6 | 6,600 | 40.5 | 2,600 | 10.4 | 2,100 | 12.9 |
| ME | | | 300 | 9.7 | 200 | 12.5 | | |
| MD | 200 | 6.7 | 100 | 2.0 | 200 | 6.7 | 700 | 14.3 |
| MA | | | | | 200 | 20.0 | | |
| MI | 300 | 1.2 | 1,200 | 2.6 | 3,900 | 15.6 | 6,200 | 13.3 |
| MN | 1,500 | 3.6 | 4,200 | 5.2 | 4,800 | 11.5 | 14,000 | 17.4 |
| MS | 2,100 | 10.1 | 4,100 | 15.5 | 4,200 | 20.2 | 8,400 | 31.8 |
| MO | 5,700 | 8.3 | 13,300 | 11.5 | 13,000 | 19.0 | 25,100 | 21.6 |
| MT | 1,200 | 6.2 | 10,200 | 23.4 | 1,500 | 7.7 | 11,300 | 25.9 |
| NE | 13,300 | 14.1 | 12,000 | 16.5 | 2,400 | 2.5 | 11,900 | 16.3 |
| NV | 500 | 8.6 | 600 | 5.0 | 300 | 5.2 | 600 | 5.0 |
| NH | | | | | | | 100 | 10.0 |
| NJ | | | | | 300 | 30.0 | 400 | 40.0 |
| NM | 400 | 1.7 | 7,100 | 23.5 | 1,900 | 8.0 | 7,100 | 23.5 |
| NY | 500 | 1.4 | 1,300 | 2.6 | 3,700 | 10.6 | 2,600 | 5.3 |
| NC | 700 | 4.8 | 200 | 1.0 | 2,000 | 13.8 | 5,300 | 26.2 |
| ND | 1,800 | 15.7 | 3,200 | 8.5 | 800 | 7.0 | 12,500 | 33.2 |
| OH | 1,100 | 5.1 | 1,400 | 4.5 | 1,700 | 7.9 | 3,800 | 12.2 |
| OK | 4,400 | 4.5 | 3,700 | 3.0 | 9,800 | 10.0 | 34,000 | 27.1 |
| OR | 200 | 0.9 | 1,400 | 3.7 | 1,400 | 6.2 | 6,900 | 18.2 |
| PA | 400 | 1.3 | 900 | 2.1 | 5,100 | 15.9 | 6,500 | 15.1 |
| RI | | | | | | | | |
| SC | 300 | 5.2 | 600 | 7.0 | 1,300 | 22.4 | 3,400 | 39.5 |
| SD | 5,200 | 9.9 | 12,200 | 14.8 | 2,800 | 5.3 | 15,500 | 18.7 |
| TN | 1,700 | 4.6 | 3,400 | 5.9 | 7,700 | 20.9 | 12,800 | 22.2 |
| TX | 23,600 | 8.0 | 10,500 | 4.5 | 44,400 | 15.0 | 44,000 | 18.7 |
| UT | 700 | 4.7 | 2,900 | 12.3 | 1,000 | 6.7 | 3,100 | 13.2 |
| VT | | | 100 | 1.3 | 1,000 | 16.9 | 600 | 7.7 |
| VA | 1,100 | 4.3 | 4,400 | 8.4 | 3,900 | 15.2 | 15,300 | 29.3 |
| WA | 300 | 1.5 | 800 | 3.7 | 1,300 | 6.5 | 3,200 | 15.0 |
| WV | 400 | 5.8 | 2,600 | 27.4 | 1,200 | 17.4 | 1,800 | 18.9 |
| WI | 1,500 | 2.3 | 4,200 | 3.1 | 7,200 | 11.1 | 6,200 | 4.5 |
| WY | 1,000 | 9.5 | 6,000 | 21.8 | 800 | 7.6 | 7,000 | 25.5 |
| Unpub | 300 | | 200 | | 100 | | 100 | |
| US | 110,000 | 6.5 | 165,000 | 7.6 | 187,000 | 11.1 | 385,000 | 17.7 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number and Percent from Poisoning and Theft,
by State and United States, 2005 ¹**

| State | Poisoning | | | | Theft | | | |
|-------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 400 | 2.1 | | | | | 200 | 0.9 |
| AZ | 900 | 3.9 | 200 | 1.0 | | | 200 | 1.0 |
| AR | 500 | 1.8 | 700 | 1.8 | 400 | 1.4 | 500 | 1.3 |
| CA | 200 | 0.2 | | | 800 | 0.8 | 1,900 | 1.2 |
| CO | 1,900 | 3.9 | 200 | 0.4 | | | 700 | 1.4 |
| CT | | | | | | | | |
| DE | | | | | | | | |
| FL | 1,300 | 5.6 | | | 100 | 0.4 | | |
| GA | 400 | 2.1 | 100 | 0.4 | | | | |
| HI | | | | | | | | |
| ID | 500 | 1.2 | 300 | 0.5 | 100 | 0.2 | 100 | 0.2 |
| IL | | | 400 | 1.2 | | | | |
| IN | | | | | | | | |
| IA | 200 | 0.3 | | | | | | |
| KS | 800 | 0.6 | 400 | 0.6 | 500 | 0.4 | 100 | 0.2 |
| KY | 600 | 1.8 | 300 | 0.4 | 100 | 0.3 | | |
| LA | | | | | | | | |
| ME | | | | | | | | |
| MD | | | | | | | | |
| MA | 100 | 10.0 | | | | | | |
| MI | | | | | | | | |
| MN | 200 | 0.5 | | | 100 | 0.2 | | |
| MS | 200 | 1.0 | 200 | 0.8 | | | | |
| MO | 1,900 | 2.8 | 2,000 | 1.7 | 700 | 1.0 | 200 | 0.2 |
| MT | 800 | 4.1 | 300 | 0.7 | | | 300 | 0.7 |
| NE | 800 | 0.8 | 500 | 0.7 | | | 300 | 0.4 |
| NV | 200 | 3.4 | | | 600 | 10.3 | 200 | 1.7 |
| NH | | | | | | | | |
| NJ | | | | | | | | |
| NM | 700 | 2.9 | 600 | 2.0 | | | | |
| NY | 100 | 0.3 | | | | | | |
| NC | | | | | | | | |
| ND | 100 | 0.9 | | | 200 | 1.7 | | |
| OH | 500 | 2.3 | 800 | 2.6 | | | | |
| OK | 200 | 0.2 | 1,100 | 0.9 | 900 | 0.9 | 1,100 | 0.9 |
| OR | 400 | 1.8 | 600 | 1.6 | | | 100 | 0.3 |
| PA | 300 | 0.9 | 300 | 0.7 | | | | |
| RI | | | | | | | | |
| SC | | | | | 300 | 5.2 | | |
| SD | 200 | 0.4 | 300 | 0.4 | 400 | 0.8 | 400 | 0.5 |
| TN | 400 | 1.1 | 800 | 1.4 | | | 600 | 1.0 |
| TX | 4,500 | 1.5 | 1,500 | 0.6 | 3,300 | 1.1 | 1,800 | 0.8 |
| UT | 1,200 | 8.1 | 300 | 1.3 | 500 | 3.4 | | |
| VT | 100 | 1.7 | | | | | | |
| VA | 500 | 2.0 | 500 | 1.0 | 100 | 0.4 | 1,200 | 2.3 |
| WA | 100 | 0.5 | | | 300 | 1.5 | | |
| WV | 400 | 5.8 | | | | | 100 | 1.1 |
| WI | 400 | 0.6 | 2,600 | 1.9 | | | | |
| WY | 800 | 7.6 | 700 | 2.5 | 100 | 1.0 | 500 | 1.8 |
| Unpub | 200 | | 300 | | 500 | | 500 | |
| US | 23,000 | 1.4 | 16,000 | 0.7 | 10,000 | 0.6 | 11,000 | 0.5 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Losses of Cattle and Calves: Number from Other and Unknown Causes,
by State and United States, 2005 ¹**

| State | Other Non-Predator | | | | Unknown Non-Predator | | | |
|-------|--------------------|------------------|-------------|------------------|----------------------|------------------|-------------|------------------|
| | Cattle | % Total Non-Pred | Calves | % Total Non-Pred | Cattle | % Total Non-Pred | Calves | % Total Non-Pred |
| | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> | <i>Head</i> | <i>Percent</i> |
| AL | 4,900 | 25.1 | 1,700 | 7.6 | 3,100 | 15.9 | 5,300 | 23.6 |
| AZ | 500 | 2.1 | | | 14,700 | 63.1 | 2,700 | 13.9 |
| AR | 5,200 | 18.4 | 1,000 | 2.6 | 5,200 | 18.4 | 6,100 | 15.8 |
| CA | 6,600 | 6.7 | 3,800 | 2.4 | 5,800 | 5.9 | 9,300 | 5.8 |
| CO | 3,200 | 6.5 | 700 | 1.4 | 3,900 | 7.9 | 4,000 | 7.8 |
| CT | 100 | 11.1 | | | | | | |
| DE | | | | | 400 | 66.7 | 500 | 71.4 |
| FL | 4,200 | 18.0 | 900 | 3.1 | 4,500 | 19.3 | 8,600 | 29.8 |
| GA | 4,600 | 23.8 | 500 | 2.0 | 1,200 | 6.2 | 3,200 | 12.7 |
| HI | 400 | 14.3 | 200 | 11.8 | 1,900 | 67.9 | 1,100 | 64.7 |
| ID | 2,000 | 4.8 | 1,000 | 1.6 | 17,300 | 41.7 | 10,000 | 16.4 |
| IL | 2,800 | 13.5 | 200 | 0.6 | 1,800 | 8.7 | 2,900 | 8.8 |
| IN | 1,600 | 10.9 | 800 | 2.9 | 3,000 | 20.4 | 2,200 | 7.9 |
| IA | 6,300 | 9.7 | 5,000 | 4.6 | 4,300 | 6.6 | 6,100 | 5.6 |
| KS | 7,900 | 5.9 | 2,500 | 3.8 | 3,000 | 2.2 | 5,000 | 7.6 |
| KY | 4,700 | 14.0 | 1,200 | 1.7 | 7,600 | 22.6 | 14,400 | 20.5 |
| LA | 2,600 | 10.4 | 300 | 1.8 | 2,600 | 10.4 | 1,400 | 8.6 |
| ME | 200 | 12.5 | 100 | 3.2 | 200 | 12.5 | 600 | 19.4 |
| MD | 100 | 3.3 | | | 800 | 26.7 | 1,600 | 32.7 |
| MA | | | 100 | 11.1 | | | | |
| MI | 1,200 | 4.8 | 400 | 0.9 | 1,500 | 6.0 | 2,300 | 4.9 |
| MN | 5,100 | 12.2 | 3,400 | 4.2 | 4,700 | 11.2 | 3,500 | 4.4 |
| MS | 5,900 | 28.4 | 1,100 | 4.2 | 2,700 | 13.0 | 4,000 | 15.2 |
| MO | 16,200 | 23.6 | 6,800 | 5.9 | 10,700 | 15.6 | 10,100 | 8.7 |
| MT | 3,500 | 18.0 | 900 | 2.1 | 4,200 | 21.6 | 5,300 | 12.2 |
| NE | 6,300 | 6.7 | 1,900 | 2.6 | 10,600 | 11.2 | 8,800 | 12.1 |
| NV | 600 | 10.3 | 200 | 1.7 | 1,200 | 20.7 | 2,400 | 20.2 |
| NH | 200 | 25.0 | 200 | 20.0 | | | 200 | 20.0 |
| NJ | 100 | 10.0 | | | 200 | 20.0 | | |
| NM | 3,700 | 15.5 | 300 | 1.0 | 1,600 | 6.7 | 5,300 | 17.5 |
| NY | 2,300 | 6.6 | 2,600 | 5.3 | 1,900 | 5.4 | 3,700 | 7.5 |
| NC | 1,600 | 11.0 | 500 | 2.5 | 3,000 | 20.7 | 6,400 | 31.7 |
| ND | 2,200 | 19.1 | 600 | 1.6 | 1,500 | 13.0 | 3,400 | 9.0 |
| OH | 900 | 4.2 | | | 1,200 | 5.6 | 1,100 | 3.5 |
| OK | 15,200 | 15.5 | 3,200 | 2.6 | 11,500 | 11.7 | 14,700 | 11.7 |
| OR | 2,200 | 9.7 | 800 | 2.1 | 2,700 | 11.9 | 3,500 | 9.2 |
| PA | 1,500 | 4.7 | 400 | 0.9 | 3,100 | 9.7 | 4,000 | 9.3 |
| RI | | | | | | | | |
| SC | 1,300 | 22.4 | 200 | 2.3 | 1,200 | 20.7 | 1,600 | 18.6 |
| SD | 6,400 | 12.1 | 800 | 1.0 | 6,300 | 12.0 | 3,500 | 4.2 |
| TN | 5,800 | 15.8 | 2,100 | 3.6 | 5,300 | 14.4 | 7,000 | 12.2 |
| TX | 55,300 | 18.7 | 7,600 | 3.2 | 43,700 | 14.8 | 41,000 | 17.4 |
| UT | 1,900 | 12.8 | 500 | 2.1 | 2,700 | 18.1 | 1,900 | 8.1 |
| VT | 300 | 5.1 | 400 | 5.1 | 600 | 10.2 | 1,100 | 14.1 |
| VA | 4,000 | 15.6 | 1,100 | 2.1 | 7,200 | 28.1 | 13,400 | 25.7 |
| WA | 1,400 | 7.0 | 700 | 3.3 | 2,100 | 10.4 | 2,000 | 9.3 |
| WV | 1,600 | 23.2 | 500 | 5.3 | 900 | 13.0 | 1,600 | 16.8 |
| WI | 3,200 | 4.9 | 1,500 | 1.1 | 10,200 | 15.8 | 12,900 | 9.4 |
| WY | 3,100 | 29.5 | 1,000 | 3.6 | | | | |
| Unpub | 100 | | 300 | | 200 | | 300 | |
| US | 211,000 | 12.5 | 60,000 | 2.8 | 224,000 | 13.3 | 250,000 | 11.5 |

¹ Missing data are less than 100 head for the State or not published to avoid disclosure of individual operations. Data not published are included in U.S. total. Totals may not add due to rounding.

**Non-Lethal Methods Used to Prevent Losses of Cattle and Calves to Predators,
by State and United States, 2005^{1 2}**

| State | Guard Animals | Exclusion Fencing | Herding | Night Penning | Frequent Checks |
|-------|------------------|----------------------|----------------|------------------|--------------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| AL | 48.8 | 55.5 | 4.4 | 0.2 | 9.6 |
| AZ | 35.5 | 53.2 | 14.3 | 22.9 | 38.2 |
| AR | 37.7 | 37.8 | 2.2 | | 24.0 |
| CA | 20.1 | 66.3 | 0.9 | 5.1 | 8.2 |
| CO | 16.5 | 27.0 | 7.6 | 9.6 | 38.9 |
| CT | 12.7 | 27.0 | 4.8 | 69.8 | 52.3 |
| DE | | | | | |
| FL | 51.1 | 23.1 | 5.2 | 0.1 | 26.0 |
| GA | 42.3 | 57.7 | 2.1 | 3.6 | 12.0 |
| HI | 1.7 | 84.1 | 4.5 | | 10.7 |
| ID | 16.9 | 14.8 | 1.7 | 1.4 | 60.9 |
| IL | 40.1 | 55.2 | 5.0 | 11.9 | 26.1 |
| IN | 23.7 | 17.1 | 2.3 | 19.6 | 47.2 |
| IA | 15.4 | 15.9 | | 3.2 | 64.0 |
| KS | 7.2 | 45.9 | 2.7 | | 13.8 |
| KY | 33.1 | 49.1 | 2.8 | 3.9 | 7.8 |
| LA | 25.2 | 52.3 | 10.8 | 1.8 | 13.5 |
| ME | | 77.8 | | 20.7 | 0.8 |
| MD | | | | | |
| MA | 25.2 | 63.3 | | 30.3 | |
| MI | 70.8 | 29.4 | 6.4 | 0.8 | 12.6 |
| MN | 61.9 | 40.2 | 2.5 | 6.3 | 20.2 |
| MS | 30.0 | 25.0 | | 0.5 | 3.1 |
| MO | 57.4 | 21.9 | 5.4 | 1.1 | 15.5 |
| MT | 21.8 | 21.1 | 9.6 | 9.9 | 31.4 |
| NE | 8.5 | 42.7 | 7.5 | 2.4 | 47.9 |
| NV | | 1.6 | | 26.1 | 56.9 |
| NH | 0.3 | 2.4 | | 97.1 | |
| NJ | 40.3 | 70.2 | 15.6 | 43.6 | 23.5 |
| NM | 8.6 | 29.5 | 5.3 | 13.9 | 37.0 |
| NY | | 12.2 | 77.0 | 8.2 | 70.5 |
| NC | 22.3 | 46.7 | 8.7 | 8.1 | 36.3 |
| ND | 34.5 | 19.7 | 0.3 | 6.0 | 29.0 |
| OH | 22.9 | 45.9 | 0.3 | 7.6 | 12.3 |
| OK | 49.2 | 32.9 | 6.8 | 0.2 | 23.3 |
| OR | 26.2 | 32.0 | 1.4 | 5.9 | 25.5 |
| PA | 46.0 | 40.5 | 9.0 | 17.9 | 28.5 |
| RI | | | | | |
| SC | 70.0 | 24.2 | 0.4 | | 8.1 |
| SD | 21.9 | 4.6 | 2.7 | 33.6 | 14.7 |
| TN | 32.9 | 19.2 | 6.5 | 3.6 | 28.8 |
| TX | 62.9 | 17.3 | 0.9 | 10.2 | 15.2 |
| UT | 32.3 | 49.3 | 47.9 | 13.0 | 21.8 |
| VT | 64.8 | 33.0 | | | |
| VA | 29.6 | 48.9 | 0.1 | 1.1 | 18.7 |
| WA | 43.8 | 48.1 | | 0.2 | 43.1 |
| WV | 38.0 | 30.4 | 1.9 | 3.5 | 52.5 |
| WI | 54.3 | 28.1 | | 9.5 | 10.1 |
| WY | 20.9 | 20.5 | 10.0 | 21.6 | 48.0 |
| US | 38.0 | 34.0 | 3.8 | 9.7 | 21.8 |

¹ Missing data are not published to avoid disclosure of individual operations.

² Use of multiple non-lethal methods may result in percentages summing to greater than 100.

**Non-Lethal Methods Used to Prevent Losses of Cattle and Calves to Predators,
by State and United States, 2005^{1 2}**

| State | Fright Tactics | Livestock Carcass Removal | Culling | Other Non-lethal |
|-------|-------------------|------------------------------|----------------|---------------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| AL | 2.6 | 11.5 | 8.2 | 2.0 |
| AZ | 11.8 | 13.8 | 40.7 | 1.2 |
| AR | 13.4 | 13.5 | 14.6 | 5.7 |
| CA | | 10.6 | 35.5 | 6.3 |
| CO | 7.0 | 15.5 | 14.3 | 0.1 |
| CT | | 17.5 | 17.5 | 12.7 |
| DE | | | | |
| FL | 0.5 | 20.4 | 29.3 | 0.1 |
| GA | 0.4 | 6.6 | 10.4 | 5.4 |
| HI | 1.7 | 9.1 | 7.9 | 8.0 |
| ID | 20.6 | 15.0 | 16.8 | 6.0 |
| IL | | 17.0 | 26.7 | |
| IN | 5.7 | 26.7 | 36.4 | 0.1 |
| IA | | 2.2 | 3.3 | 7.1 |
| KS | | 22.1 | 30.2 | 0.2 |
| KY | | 1.1 | 4.3 | 12.5 |
| LA | 2.2 | 14.5 | 3.4 | 13.8 |
| ME | | 2.2 | 2.2 | |
| MD | | | | |
| MA | | | | 6.5 |
| MI | | 15.6 | 9.1 | 1.6 |
| MN | 3.2 | 13.0 | 19.0 | 5.5 |
| MS | 3.1 | 13.1 | 25.6 | 4.3 |
| MO | 1.5 | 11.0 | 12.5 | 4.6 |
| MT | 7.8 | 18.5 | 31.7 | 11.7 |
| NE | 2.5 | 50.4 | 41.1 | 4.0 |
| NV | 15.4 | 30.9 | 30.9 | |
| NH | | | | 0.2 |
| NJ | 3.4 | 18.9 | 3.4 | 6.3 |
| NM | 25.5 | 44.4 | 31.5 | 2.0 |
| NY | 9.2 | 74.4 | 89.2 | 17.2 |
| NC | 3.1 | 27.4 | 39.7 | 1.0 |
| ND | 2.8 | 16.4 | 19.4 | 11.8 |
| OH | 4.1 | 6.8 | 12.2 | 15.4 |
| OK | 2.5 | 29.4 | 5.9 | 11.2 |
| OR | 1.6 | 41.4 | 47.6 | 4.3 |
| PA | 2.9 | 18.2 | 22.4 | 4.7 |
| RI | | | | |
| SC | 0.7 | 5.5 | 5.2 | |
| SD | 4.4 | 22.7 | 28.6 | 12.0 |
| TN | 0.8 | 32.3 | 30.1 | 5.9 |
| TX | 0.1 | 5.2 | 15.3 | 8.4 |
| UT | | 4.5 | 38.0 | |
| VT | | | 1.5 | 0.7 |
| VA | | 28.2 | 42.1 | 13.9 |
| WA | 4.2 | 13.6 | 14.1 | 13.7 |
| WV | | 4.7 | 19.9 | 6.5 |
| WI | 2.6 | 14.7 | 9.4 | 6.8 |
| WY | 0.5 | 32.7 | 42.0 | 12.2 |
| US | 3.0 | 16.5 | 19.6 | 6.2 |

¹ Missing data are not published to avoid disclosure of individual operations.

² Use of multiple non-lethal methods may result in percentages summing to greater than 100.

Reliability of Cattle and Calves Predator Loss Estimates

Survey Procedures: A random sample of U.S. producers was surveyed to provide data for these estimates. Survey procedures ensured that all cattle producers, regardless of size, had a chance to be included in the survey. Large producers were sampled more heavily than small operations. About 50,000 operators were contacted during the first half of January by mail, telephone and face-to-face personal interview.

Estimation Procedures: These estimates of death loss by cause were prepared by the Livestock Branch, NASS, and reviewed by the 49 States involved. Total cattle and calf death losses from all causes were published in the 2006 "*Meat Animals-Production, Disposition, and Income*" (released April 27, 2006). In setting the predator and non-predator loss estimates, first total predator and non-predator losses were estimated as a percent of total losses, then specific predator and non-predator losses were estimated as a percent of total predator and non-predator losses. All published loss estimates were rounded to the nearest 100 head. Value estimates were rounded to the nearest \$1,000. State estimates of less than 100 head are not published, but are included in U.S. totals.

Revision Policy: Revisions to previous estimates are made to improve the current estimate. Previous year estimates are subject to revision when current estimates are made. Estimates for losses from all causes are subject to revision in next year's "*Meat Animals-Production, Disposition, and Income*". No revision to predator losses is planned.

Reliability: Since all cattle operators 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 non-sampling 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.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information.

| | |
|---|----------------|
| Dan Kerestes, Chief, Livestock Branch | (202) 720-3570 |
| William Weaver, Head, Livestock Section | (202) 720-3570 |
| Bruce Boess - Hogs and Pigs | (202) 720-3106 |
| Shawn Clark - Dairy Products | (202) 690-3236 |
| Scott Hollis - Sheep, Lambs, Wool, Goats and Mohair | (202) 720-4751 |
| Mike Miller - Cattle | (202) 720-3040 |
| Katy Paulsen - Livestock Slaughter | (515) 284-4340 |
| Ann Summa - Milk and Milk Cows | (202) 720-3278 |
| Charmaine Wilson - Dairy Products Prices | (202) 690-2168 |

ACCESS TO REPORTS!!

For your convenience, there are several ways to obtain NASS reports, data products, and services:

INTERNET ACCESS

All NASS reports are available free of charge on the worldwide Internet. For access, connect to the Internet and go to the NASS Home Page at: **www.nass.usda.gov**.

E-MAIL SUBSCRIPTION

All NASS reports are available by subscription free of charge direct to your e-mail address. Starting with the NASS Home Page at **www.nass.usda.gov**, under the right navigation, *Receive reports by Email*, click on **National** or **State**. Follow the instructions on the screen.

PRINTED REPORTS OR DATA PRODUCTS

CALL OUR TOLL-FREE ORDER DESK: 800-999-6779 (U.S. and Canada)
Other areas, please call 703-605-6220 FAX: 703-605-6900
(Visa, MasterCard, check, or money order acceptable for payment.)

ASSISTANCE

For **assistance** with general agricultural statistics or further information about NASS or its products or services, contact the **Agricultural Statistics Hotline** at **800-727-9540**, 7:30 a.m. to 4:00 p.m. ET, or e-mail: **nass@nass.usda.gov**.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.