# Utah Field Office

United States Department of Agriculture - National Agricultural Statistics Service

## Utah 2005 Sheep and Lamb Losses by Cause

**Utah** farmers and ranchers lost 44,000 sheep and lambs to all causes in 2005. This was valued at $3.786 million. **Lambs lost before docking** totaled 18,000, **lambs lost after docking** totaled 15,000 and **sheep one year old and older** lost totaled 11,000. Coyotes accounted for 24 percent of all lambs lost before docking, at 4,300 head. This accounted for the largest single cause of death in lambs before docking. Coyotes also accounted for the largest number of lambs lost after docking at 6,700, percent of the after docking loss. **Sheep one year old and older** losses to coyotes, at 2,400, was the single largest cause, accounting for 22 percent. Total losses to coyotes equaled 13,400 head, which was 30 percent of all losses to sheep and lambs in the state.

### Losses of Lambs Before Docking: Utah 2000-2005

| Cause of Loss | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---|---|---|---|---|---|---|
| | | | Number of Head | | | |
| Bear | NA | NA | NA | NA | NA | NA |
| Bobcat | NA | NA | NA | NA | NA | NA |
| Coyote | 5,400 | 5,200 | 4,700 | 4,200 | 6,100 | 4,300 |
| Dog | 600 | NA | NA | NA | NA | NA |
| Fox | 700 | 600 | 600 | NA | NA | 500 |
| Mountain Lion | 1,100 | 700 | 600 | 500 | 600 | 600 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 800 | 1,000 | 1,300 | 1,100 | 2,200 | 1,100 |
| Other/Unknown | 1,000 | 1,900 | 2,000 | 3,000 | 900 | 900 |
| **Total Predators** | 9,600 | 9,400 | 9,200 | 8,800 | 9,800 | 7,400 |
| Diseases | 800 | 1,600 | 1,600 | 800 | 500 | 1,200 |
| Enterotoxemia [1] | | | | NA | NA | NA |
| Weather conditions | 3,000 | 2,700 | 3,900 | 3,100 | 3,300 | 3,800 |
| Lambing Complications | 2,600 | 2,500 | 1,700 | 2,300 | 1,800 | 3,500 |
| Old Age | NA | | NA | NA | NA | NA |
| On Back | NA | | NA | NA | NA | NA |
| Poison | NA | NA | NA | NA | NA | NA |
| Theft | NA | | NA | NA | NA | NA |
| Other/Unknown | 4,000 | 3,800 | 2,600 | 2,000 | 4,400 | 2,100 |
| **Total Non-Predators** | 10,400 | 10,600 | 9,800 | 8,200 | 10,000 | 10,600 |
| ***TOTAL LOSSES*** | 20,000 | 20,000 | 19,000 | 17,000 | 19,800 | 18,000 |

[1] Enterotoxemia first published in 2003.
NA are less than 500 head and are included in Other/ Unknown.

### Losses of Lambs After Docking: Utah 2000-2005

| Cause of Loss | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---|---|---|---|---|---|---|
| | | | Number of Head | | | |
| Bear | 1,400 | 1,800 | 1,500 | 1,100 | 1,500 | 1,200 |
| Bobcat | NA | NA | 500 | NA | NA | NA |
| Coyote | 12,300 | 12,300 | 10,300 | 8,900 | 9,500 | 6,700 |
| Dog | 1,200 | 500 | 600 | NA | NA | NA |
| Fox | 500 | 500 | NA | NA | NA | NA |
| Mountain Lion | 3,300 | 2,400 | 2,800 | 3,500 | 2,600 | 2,000 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 1,000 | 1,400 | 800 | 1,800 | 1,200 | 1,200 |
| **Total Predators** | 19,700 | 18,900 | 16,500 | 15,300 | 14,800 | 11,100 |
| Diseases | 1,400 | 900 | 900 | 500 | NA | 500 |
| Enterotoxemia [1] | | | | 500 | NA | 500 |
| Weather conditions | 1,100 | NA | NA | NA | NA | 800 |
| Lambing Complications | NA | | NA | NA | NA | NA |
| Old Age | NA | NA | NA | NA | NA | NA |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 500 | 700 | 600 | NA | NA | 500 |
| Theft | NA | | NA | NA | NA | NA |
| Other/Unknown | 2,300 | 2,500 | 3,000 | 2,700 | 3,200 | 1,600 |
| **Total Non-Predators** | 5,300 | 4,100 | 4,500 | 3,700 | 3,200 | 3,900 |
| ***TOTAL LOSSES*** | 25,000 | 23,000 | 21,000 | 19,000 | 18,000 | 15,000 |

[1] Enterotoxemia first published in 2003.
NA are less than 500 head and are included in Other/ Unknown.



### Losses of Sheep and Lambs Combined, by Cause: Utah, 2000-2005 [1]

| Cause of Loss | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---|---|---|---|---|---|---|
| | | | Number of Head | | | |
| Bear | 2,300 | 2,900 | 2,800 | 1,900 | 2,300 | 2,000 |
| Bobcat | 700 | 700 | 900 | 500 | NA | 500 |
| Coyote | 21,700 | 22,500 | 19,800 | 16,000 | 18,800 | 13,400 |
| Dog | 2,800 | 1,100 | 1,500 | 900 | 800 | 900 |
| Fox | 1,300 | 1,200 | 1,000 | 600 | 800 | 900 |
| Mountain Lion | 6,400 | 4,200 | 4,700 | 4,800 | 4,500 | 3,300 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 1,000 | 1,200 | 1,400 | 1,500 | 2,300 | 1,200 |
| Other/Unknown | 1,300 | 2,400 | 1,700 | 3,300 | 800 | 600 |
| **Total Predators** | 37,500 | 36,200 | 33,800 | 29,500 | 30,300 | 22,800 |
| Diseases | 3,400 | 4,100 | 3,400 | 1,900 | 1,200 | 2,400 |
| Enterotoxemia [2] | | | | 1,100 | NA | 1,100 |
| Weather Conditions | 4,400 | 3,400 | 5,200 | 3,900 | 3,700 | 5,300 |
| Lambing Complications | 3,900 | 3,100 | 2,500 | 3,000 | 2,400 | 4,500 |
| Old Age | 2,000 | 2,300 | 1,900 | 1,200 | 1,200 | 2,000 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 3,800 | 2,100 | 1,300 | 1,100 | 800 | 1,000 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 8,000 | 8,800 | 6,900 | 5,300 | 9,200 | 4,900 |
| **Total Non-Predators** | 25,500 | 23,800 | 21,200 | 17,500 | 18,500 | 21,200 |
| **Total Losses** | **63,000** | **60,000** | **55,000** | **47,000** | **48,800** | **44,000** |
| | | | Percent of Total by Cause | | | |
| Bear | 3.7 | 4.8 | 5.1 | 4.0 | 4.7 | 4.5 |
| Bobcat | 1.1 | 1.2 | 1.6 | 1.1 | NA | 1.1 |
| Coyote | 34.4 | 37.5 | 36.0 | 34.0 | 38.5 | 30.5 |
| Dog | 4.4 | 1.8 | 2.7 | 1.9 | 1.6 | 2.0 |
| Fox | 2.1 | 2.0 | 1.8 | 1.3 | 1.6 | 2.0 |
| Mountain Lion | 10.2 | 7.0 | 8.5 | 10.2 | 9.2 | 7.5 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 1.6 | 2.0 | 2.5 | 3.2 | 4.7 | 2.7 |
| Other/Unknown | 2.1 | 4.0 | 3.1 | 7.0 | 1.6 | 1.4 |
| **Total Predators** | 59.5 | 60.3 | 61.5 | 62.8 | 62.1 | 51.8 |
| Diseases | 5.4 | 6.8 | 6.2 | 4.0 | 2.5 | 5.5 |
| Enterotoxemia [2] | | | | 2.3 | NA | 2.5 |
| Weather Conditions | 7.0 | 5.7 | 9.5 | 8.3 | 7.6 | 12.0 |
| Lambing Complications | 6.2 | 5.2 | 4.5 | 6.4 | 4.9 | 10.2 |
| Old Age | 3.2 | 3.8 | 3.5 | 2.6 | 2.5 | 4.5 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 6.0 | 3.5 | 2.4 | 2.3 | 1.6 | 2.3 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 12.7 | 14.7 | 12.5 | 11.3 | 18.9 | 11.1 |
| **Total Non-Predators** | 40.5 | 39.7 | 38.5 | 37.2 | 37.9 | 48.2 |
| **Total Losses** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** |
| | | | Dollar Value of Losses by Cause (000) | | | |
| Bear | 145 | 160 | 157 | 130 | 182 | 180 |
| Bobcat | 37 | 35 | 42 | 31 | NA | 41 |
| Coyote | 1,204 | 1,192 | 1,039 | 973 | 1,312 | 1,075 |
| Dog | 178 | 65 | 95 | 63 | 67 | 84 |
| Fox | 65 | 56 | 41 | 30 | 46 | 67 |
| Mountain Lion | 394 | 230 | 254 | 288 | 351 | 274 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 47 | 52 | 57 | 75 | 133 | 78 |
| Other/Unknown | 71 | 121 | 84 | 207 | 60 | 48 |
| **Total Predators** | 2,141 | 1,911 | 1,770 | 1,797 | 2,152 | 1,846 |
| Diseases | 216 | 247 | 182 | 130 | 104 | 215 |
| Enterotoxemia [2] | | | | 79 | NA | 97 |
| Weather Conditions | 220 | 160 | 256 | 219 | 221 | 404 |
| Lambing Complications | 244 | 160 | 140 | 192 | 181 | 377 |
| Old Age | 188 | 201 | 168 | 130 | 153 | 296 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 334 | 148 | 82 | 102 | 81 | 98 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 455 | 512 | 369 | 354 | 700 | 453 |
| **Total Non-Predators** | 1,657 | 1,428 | 1,196 | 1,205 | 1,441 | 1,940 |
| **Total Losses** | **3,798** | **3,339** | **2,966** | **3,002** | **3,592** | **3,786** |

[1] Lamb losses include both before and after docking losses.
[2] Enterotoxemia first published in 2003.
NA are less than 500 head and are included in Other/ Unknown.

## Losses of Sheep by Cause: Utah, 2000-2005

| Cause of Loss | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---|---|---|---|---|---|---|
| | | | Number of Head | | | |
| Bear | 800 | 800 | 900 | 600 | 700 | 600 |
| Bobcat | NA | NA | NA | NA | NA | NA |
| Coyote | 4,000 | 5,000 | 4,800 | 2,900 | 3,200 | 2,400 |
| Dog | 1,000 | NA | 700 | NA | NA | NA |
| Fox | NA | NA | NA | NA | NA | NA |
| Mountain Lion | 2,000 | 1,100 | 1,300 | 800 | 1,300 | 700 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 400 | 1,000 | 400 | 1,100 | 500 | 600 |
| **Total Predators** | 8,200 | 7,900 | 8,100 | 5,400 | 5,700 | 4,300 |
| Diseases | 1,200 | 1,600 | 900 | 600 | 500 | 700 |
| Enterotoxemia [1] | | | | NA | NA | NA |
| Weather Conditions | NA | NA | 900 | NA | NA | 700 |
| Lambing Complications | 1,300 | 600 | 800 | 700 | 600 | 1,000 |
| Old Age | 2,000 | 2,300 | 1,900 | 1,200 | 1,200 | 2,000 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 3,300 | 1,300 | 600 | 800 | 500 | NA |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 2,000 | 3,300 | 1,800 | 2,300 | 2,500 | 2,300 |
| **Total Non-Predators** | 9,800 | 9,100 | 6,900 | 5,600 | 5,300 | 6,700 |
| **Total Losses** | **18,000** | **17,000** | **15,000** | **11,000** | **11,000** | **11,000** |
| | | | Percent of Total by Cause | | | |
| Bear | 4.4 | 4.7 | 6.0 | 5.5 | 6.4 | 5.5 |
| Bobcat | NA | NA | NA | NA | NA | NA |
| Coyote | 22.2 | 29.4 | 32.0 | 26.4 | 29.1 | 21.8 |
| Dog | 5.6 | NA | 4.7 | NA | NA | NA |
| Fox | NA | NA | NA | NA | NA | NA |
| Mountain Lion | 11.1 | 6.5 | 8.7 | 7.3 | 11.8 | 6.4 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 2.2 | 5.9 | 2.7 | 10.0 | 4.5 | 5.5 |
| **Total Predators** | 45.6 | 46.5 | 54.0 | 49.1 | 51.8 | 39.1 |
| Diseases | 6.7 | 9.4 | 6.0 | 5.5 | 4.5 | 6.4 |
| Enterotoxemia [1] | | | | NA | NA | NA |
| Weather Conditions | NA | NA | 6.0 | NA | NA | 6.4 |
| Lambing Complications | 7.2 | 3.5 | 5.3 | 6.4 | 5.5 | 9.1 |
| Old Age | 11.1 | 13.5 | 12.7 | 10.9 | 10.9 | 18.2 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 18.3 | 7.6 | 4.0 | 7.3 | 4.5 | NA |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 11.1 | 19.4 | 12.0 | 20.9 | 22.7 | 20.9 |
| **Total Non-Predators** | 54.4 | 53.5 | 46.0 | 50.9 | 48.2 | 60.9 |
| **Total Losses** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** |
| | | | Dollar Value of Losses by Cause (000) | | | |
| Bear | 75 | 70 | 80 | 65 | 89 | 89 |
| Bobcat | NA | NA | NA | NA | NA | NA |
| Coyote | 377 | 436 | 425 | 314 | 408 | 355 |
| Dog | 94 | NA | 62 | NA | NA | NA |
| Fox | NA | NA | NA | NA | NA | NA |
| Mountain Lion | 188 | 96 | 115 | 87 | 166 | 104 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 37 | 88 | 36 | 120 | 64 | 89 |
| **Total Predators** | 771 | 689 | 717 | 585 | 727 | 636 |
| Diseases | 113 | 140 | 80 | 65 | 64 | 104 |
| Enterotoxemia [1] | | | | NA | NA | NA |
| Weather Conditions | NA | NA | 80 | NA | NA | 104 |
| Lambing Complications | 122 | 52 | 71 | 76 | 77 | 148 |
| Old Age | 188 | 201 | 168 | 130 | 153 | 296 |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 311 | 113 | 53 | 87 | 64 | NA |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 188 | 287 | 160 | 249 | 320 | 339 |
| **Total Non-Predators** | 922 | 794 | 610 | 607 | 676 | 992 |
| **Total Losses** | **1,693** | **1,483** | **1,327** | **1,192** | **1,404** | **1,628** |

[1] Enterotoxemia first published in 2003.
NA are less than 500 head and are included in Other/ Unknown.


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## Losses of All Lambs by Cause: Utah, 2000-2005 [1]

| Cause of Loss | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---|---|---|---|---|---|---|
| | | | Number of Head | | | |
| Bear | 1,500 | 2,100 | 1,900 | 1,300 | 1,600 | 1,400 |
| Bobcat | 600 | 600 | 800 | NA | NA | NA |
| Coyote | 17,700 | 17,500 | 15,000 | 13,100 | 15,600 | 11,000 |
| Dog | 1,800 | 700 | 800 | 600 | 500 | 600 |
| Fox | 1,200 | 1,100 | 1,000 | 600 | 800 | 800 |
| Mountain Lion | 4,400 | 3,100 | 3,400 | 4,000 | 3,200 | 2,600 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 1,000 | 1,200 | 1,400 | 1,500 | 2,300 | 1,200 |
| Other/Unknown | 1,100 | 2,000 | 1,400 | 3,000 | 600 | 900 |
| **Total Predators** | 29,300 | 28,300 | 25,700 | 24,100 | 24,600 | 18,500 |
| Diseases | 2,200 | 2,500 | 2,500 | 1,300 | 700 | 1,700 |
| Enterotoxemia [2] | | | | 700 | NA | 800 |
| Weather Conditions | 4,100 | 3,100 | 4,300 | 3,500 | 3,600 | 4,600 |
| Lambing Complications | 2,600 | 2,500 | 1,700 | 2,300 | 1,800 | 3,500 |
| Old Age | NA | NA | NA | NA | NA | NA |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 500 | 800 | 700 | NA | NA | 600 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 6,300 | 5,800 | 5,100 | 4,100 | 7,100 | 3,300 |
| **Total Non-Predators** | 15,700 | 14,700 | 14,300 | 11,900 | 13,200 | 14,500 |
| **Total Losses** | **45,000** | **43,000** | **40,000** | **36,000** | **37,800** | **33,000** |
| | | | Percent of Total by Cause | | | |
| Bear | 3.3 | 4.9 | 4.8 | 3.6 | 4.2 | 4.2 |
| Bobcat | 1.3 | 1.4 | 2.0 | NA | NA | NA |
| Coyote | 39.3 | 40.7 | 37.5 | 36.4 | 41.3 | 33.3 |
| Dog | 4.0 | 1.6 | 2.0 | 1.7 | 1.3 | 1.8 |
| Fox | 2.7 | 2.6 | 2.5 | 1.7 | 2.1 | 2.4 |
| Mountain Lion | 9.8 | 7.2 | 8.5 | 11.1 | 8.5 | 7.9 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 2.2 | 2.8 | 3.5 | 4.2 | 6.1 | 3.6 |
| Other/Unknown | 2.4 | 4.7 | 3.5 | 8.3 | 1.6 | 2.7 |
| **Total Predators** | 65.1 | 65.8 | 64.3 | 66.9 | 65.1 | 56.1 |
| Diseases | 4.9 | 5.8 | 6.3 | 3.6 | 1.9 | 5.2 |
| Enterotoxemia [2] | | | | 1.9 | NA | 2.4 |
| Weather Conditions | 9.1 | 7.2 | 10.8 | 9.7 | 9.5 | 13.9 |
| Lambing Complications | 5.8 | 5.8 | 4.3 | 6.4 | 4.8 | 10.6 |
| Old Age | NA | NA | NA | NA | NA | NA |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 1.1 | 1.9 | 1.8 | NA | NA | 1.8 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 14.0 | 13.5 | 12.8 | 11.4 | 18.8 | 10.0 |
| **Total Non-Predators** | 34.9 | 34.2 | 35.8 | 33.1 | 34.9 | 43.9 |
| **Total Losses** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** |
| | | | Dollar Value of Losses by Cause (000) | | | |
| Bear | 70 | 91 | 78 | 65 | 93 | 92 |
| Bobcat | 28 | 26 | 33 | NA | NA | NA |
| Coyote | 827 | 755 | 615 | 659 | 903 | 719 |
| Dog | 84 | 30 | 33 | 30 | 29 | 39 |
| Fox | 56 | 47 | 41 | 30 | 46 | 52 |
| Mountain Lion | 206 | 134 | 139 | 201 | 185 | 170 |
| Wolves | NA | NA | NA | NA | NA | NA |
| Eagle | 47 | 52 | 57 | 75 | 133 | 78 |
| Other/Unknown | 52 | 86 | 57 | 151 | 35 | 59 |
| **Total Predators** | 1,370 | 1,222 | 1,053 | 1,212 | 1,424 | 1,210 |
| Diseases | 103 | 108 | 102 | 65 | 41 | 111 |
| Enterotoxemia [2] | | | | 35 | NA | 52 |
| Weather Conditions | 192 | 134 | 176 | 176 | 208 | 301 |
| Lambing Complications | 122 | 108 | 70 | 116 | 104 | 229 |
| Old Age | NA | | NA | NA | NA | NA |
| On Back | NA | NA | NA | NA | NA | NA |
| Poison | 23 | 35 | 29 | NA | NA | 39 |
| Theft | NA | NA | NA | NA | NA | NA |
| Other/Unknown | 295 | 250 | 209 | 206 | 411 | 216 |
| **Total Non-Predators** | 735 | 635 | 586 | 598 | 764 | 948 |
| **Total Losses** | **2,105** | **1,856** | **1,639** | **1,810** | **2,189** | **2,158** |

[1] Lamb losses include both before and after docking losses.
[2] Enterotoxemia first published in 2003.
NA are less than 500 head and are included in Other/ Unknown.

***Cooperation: Data were collected in conjunction with the National Agricultural Statistics Service January 1 Sheep Report. Utah Department of Agriculture and Food provided funding for the "Loss by Cause" portion of the survey.***


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