

Sheep and Goats Death Loss

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This report provides sheep and lamb losses after docking by predators and detailed breakouts for non-predator causes. Total losses of goats and kids are also provided at the U.S. level. This report is released as a cooperative effort between the National Agricultural Statistics Service and Animal and Plant Health Inspection Service.

Sheep and Lamb Death Losses

Sheep and lamb losses from animal predators and non-predator causes in the United States totaled 634,500. Losses of sheep totaled 234,500 head or 37.0 percent of total losses. Lambs losses were 400,000 head or 63.0 percent of the total.

Animal predator losses totaled 247,200 head. This represents 39.0 percent of the total losses from all causes and resulted in a loss of \$20.5 million to farmers and ranchers.

Non-predator losses of sheep and lamb totaled 387,300 or 61.0 percent of the total losses and resulted in a loss of \$36.3 million to farmers and ranchers. Harsh conditions during the 2009 winter resulted in weather related problems being the leading cause of non-predator deaths accounting for 21.5 percent. Digestive problems (Enterotoxemia, Internal Parasites, and Other digestive problems) followed for a combined 17.3 percent of non-predator deaths.

Goat and Kid Death Losses

Goat and Kid losses from all causes totaled 554,000 head in 2009. Diseases and other known causes accounted for 255,000 deaths or 46.0 percent of the total deaths. Predators accounted for 180,000 deaths or 32.5 percent of the total while the remainder of goat and kid losses at 119,000 or 21.5 percent resulted from unknown causes.

Special Note

Detailed losses by predator type are available for CO, ID, MT, UT, and WY. This information is provided through State level funding. These data can be found by accessing the NASS home page at www.nass.usda.gov and going to the individual State's website.

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**Losses of Sheep and Lambs from Predators: Number of Head
and Total Value, United States, 2009**

Predator	Number of Head	% of Total Predators	Total Value
	<i>Number</i>	<i>Percent</i>	<i>1,000 Dollars</i>
Known Predators	225,300	91.1	18,670
Unknown Predators	21,900	8.9	1,846
US	247,200	100.0	20,516

**Losses of Sheep and Lambs from Non-Predators: Number of Head
and Total Value, United States, 2009**

Non-Predator	Number of Head	% of Total Non-Predators	Total Value
	<i>Number</i>	<i>Percent</i>	<i>1,000 Dollars</i>
Enterotoxemia	17,400	4.5	1,310
Parasites	30,400	7.8	2,838
Other Digestive Problems	19,300	5.0	1,673
Respiratory Problems	36,500	9.4	2,944
Metabolic Problems	2,800	0.7	245
Other Diseases	13,800	3.6	1,429
Weather Related	83,300	21.5	6,838
Lambing Problems	52,900	13.7	4,934
Old Age	39,300	10.1	5,538
On Their Back	3,300	0.9	440
Poisoning	10,100	2.6	1,011
Theft	1,900	0.5	162
Other Non-Predator	22,200	5.7	1,955
Unknown Non-Predator	54,100	14.0	4,986
US	387,300	100.0	36,303

**Losses of Sheep and Lambs: By All Causes, Predators and Non-Predators,
Number by State and United States, 2009**

State	All Causes		Predators		Non-Predators	
	Sheep	Lambs	Sheep	Lambs	Sheep	Lambs
	<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>
AZ	3,000	4,000	2,000	3,500	1,000	500
CA	16,000	10,000	6,800	7,000	9,200	3,000
CO	9,000	17,000	3,500	8,200	5,500	8,800
ID	7,000	10,000	1,600	5,100	5,400	4,900
IL	3,000	7,000	300	1,000	2,700	6,000
IN	2,500	6,000	500	800	2,000	5,200
IA	9,000	20,000	500	1,400	8,500	18,600
KS	3,000	7,000	400	1,200	2,600	5,800
KY	2,000	4,000	200	800	1,800	3,200
MI	3,000	7,000	200	800	2,800	6,200
MN	7,000	15,000	700	1,300	6,300	13,700
MO	2,500	7,500	600	1,400	1,900	6,100
MT	15,000	20,000	3,400	11,600	11,600	8,400
NE	3,000	7,000	400	700	2,600	6,300
NV	5,000	13,000	2,900	10,100	2,100	2,900
N ENG ¹	1,700	3,000	300	400	1,400	2,600
NM	10,000	5,000	5,500	3,700	4,500	1,300
NY	2,000	5,000	400	1,300	1,600	3,700
NC	1,300	2,000	500	800	800	1,200
ND	4,000	12,000	500	1,400	3,500	10,600
OH	7,000	13,000	900	1,600	6,100	11,400
OK	4,000	7,000	1,400	2,300	2,600	4,700
OR	8,000	8,000	2,200	5,500	5,800	2,500
PA	4,000	7,000	900	800	3,100	6,200
SD	15,000	40,000	1,300	7,100	13,700	32,900
TN	1,500	3,000	300	800	1,200	2,200
TX	40,000	62,000	23,000	48,000	17,000	14,000
UT	13,000	16,000	6,100	12,900	6,900	3,100
VA	3,000	9,500	800	5,200	2,200	4,300
WA	2,000	2,000	800	1,100	1,200	900
WV	1,500	4,000	400	2,300	1,100	1,700
WI	4,000	10,000	200	1,300	3,800	8,700
WY	13,000	18,000	2,900	13,300	10,100	4,700
Oth Sts ²	9,500	19,000	3,300	6,800	6,200	12,200
US	234,500	400,000	75,700	171,500	158,800	228,500

¹ N ENG includes CT, ME, MA, NH, RI, and VT.

² Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC. These states appear in the January Sheep and Goat report as Other States and all losses for this category in this report pertain to these same states.

**Losses of Sheep and Lambs from Predators and Non-Predators:
Total Value per Head and Total Value, by State and United States, 2009**

State	Value per Head		Total Value Predator Losses		Total Value Non-Predator Losses	
	Sheep ¹	Lambs ²	Sheep	Lambs	Sheep	Lambs
	<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>
AZ	165	58	330	203	165	29
CA	150	53	1,020	371	1,380	159
CO	140	89	490	730	770	783
ID	137	56	219	286	740	274
IL	203	61	61	61	548	366
IN	199	63	100	50	398	328
IA	147	58	74	81	1,250	1,079
KS	131	57	52	68	341	331
KY	170	65	34	52	306	208
MI	164	61	33	49	459	378
MN	136	60	95	78	857	822
MO	166	62	100	87	315	378
MT	115	61	391	708	1,334	512
NE	129	60	52	42	335	378
NV	137	64	397	646	288	186
N ENG ³	208	78	62	31	291	203
NM	120	65	660	241	540	85
NY	163	63	65	82	261	233
NC	152	67	76	54	122	80
ND	137	61	69	85	480	647
OH	189	64	170	102	1,153	730
OK	161	58	225	133	419	273
OR	125	56	275	308	725	140
PA	173	71	156	57	536	440
SD	129	62	168	440	1,767	2,040
TN	145	65	44	52	174	143
TX	98	65	2,254	3,120	1,666	910
UT	146	60	891	774	1,007	186
VA	140	68	112	354	308	292
WA	125	58	100	64	150	52
WV	140	66	56	152	154	112
WI	175	56	35	73	665	487
WY	129	60	374	798	1,303	282
Oth Sts ⁴	128	62	422	422	794	756
US ⁵	135	63	9,662	10,854	22,001	14,302

¹ Sheep value per head is based on a two-year straight average of the value of ewes reported in the January 1 Sheep Survey from 2009 to 2010.

² Lamb value per head is based on the market year average lamb price. An average lamb weight of 60 pounds was used in all States except Colorado, where a 90 pound average was used.

³ N ENG includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁵ US value per head is weighted between predator and non-predator losses for sheep and lambs. US value of sheep and lamb losses is the sum of state sheep and lamb losses.

**Losses of Sheep and Lambs: Number and Percent from Unknown
and Known Predators by State and United States, 2009**

State	Unknown Predators				Known Predators			
	Sheep	% Total Predator	Lambs	% Total Predator	Sheep	% Total Predator	Lambs	% Total Predator
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ	100	5.0			1,900	95.0	3,500	100.0
CA	500	7.4	500	7.1	6,300	92.6	6,500	92.9
CO					3,500	100.0	8,200	100.0
ID	100	6.3	200	3.9	1,500	93.8	4,900	96.1
IL			100	10.0	300	100.0	900	90.0
IN	100	20.0	400	50.0	400	80.0	400	50.0
IA	100	20.0	200	14.3	400	80.0	1,200	85.7
KS	100	25.0	300	25.0	300	75.0	900	75.0
KY			200	25.0	200	100.0	600	75.0
MI			100	12.5	200	100.0	700	87.5
MN			200	15.4	700	100.0	1,100	84.6
MO			100	7.1	600	100.0	1,300	92.9
MT	100	2.9	100	0.9	3,300	97.1	11,500	99.1
NE	100	25.0	200	28.6	300	75.0	500	71.4
NV	100	3.4	200	2.0	2,800	96.6	9,900	98.0
N ENG ¹	100	33.3	100	25.0	200	66.7	300	75.0
NM			100	2.7	5,500	100.0	3,600	97.3
NY	100	25.0	200	15.4	300	75.0	1,100	84.6
NC			100	12.5	500	100.0	700	87.5
ND	100	20.0	100	7.1	400	80.0	1,300	92.9
OH	200	22.2	300	18.8	700	77.8	1,300	81.3
OK			400	17.4	1,400	100.0	1,900	82.6
OR	100	4.5	200	3.6	2,100	95.5	5,300	96.4
PA	300	33.3	400	50.0	600	66.7	400	50.0
SD			100	1.4	1,300	100.0	7,000	98.6
TN	100	33.3			200	66.7	800	100.0
TX	5,000	21.7	7,000	14.6	18,000	78.3	41,000	85.4
UT	400	6.6	400	3.1	5,700	93.4	12,500	96.9
VA	100	12.5	400	7.7	700	87.5	4,800	92.3
WA	200	25.0	400	36.4	600	75.0	700	63.6
WV			100	4.3	400	100.0	2,200	95.7
WI					200	100.0	1,300	100.0
WY					2,900	100.0	13,300	100.0
Oth Sts ²	300	9.1	500	7.4	3,000	90.9	6,300	92.6
US	8,300	11.0	13,600	7.9	67,400	89.0	157,900	92.1

¹ N ENG includes CT, ME, MA, NH, RI, and VT.

² Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

**Losses of Sheep and Lambs: Number and Percent from Enterotoxemia
and Internal Parasites by State and United States, 2009**

State	Enterotoxemia ¹				Internal Parasites ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ	100	10.0						
CA	300	3.3	100	3.3	100	1.1		
CO	100	1.8	1,600	18.2				
ID			500	10.2				
IL	100	3.7	200	3.3	400	14.8	900	15.0
IN			200	3.8	100	5.0	600	11.5
IA	100	1.2	1,200	6.5	500	5.9	1,500	8.1
KS	100	3.8	300	5.2	200	7.7	200	3.4
KY			100	3.1	500	27.8	1,300	40.6
MI	200	7.1	300	4.8	300	10.7	800	12.9
MN	100	1.6	900	6.6	200	3.2	600	4.4
MO					300	15.8	900	14.8
MT	100	0.9	500	6.0	200	1.7	200	2.4
NE	100	3.8	200	3.2	300	11.5	200	3.2
NV			100	3.4			100	3.4
N ENG ²					100	7.1	200	7.7
NM			200	15.4				
NY			100	2.7	200	12.5	200	5.4
NC					200	25.0	400	33.3
ND	200	5.7	200	1.9	100	2.9	100	0.9
OH			300	2.6	800	13.1	1,100	9.6
OK			100	2.1	800	30.8	800	17.0
OR			200	8.0	500	8.6	100	4.0
PA	100	3.2	100	1.6	500	16.1	400	6.5
SD	500	3.6	1,700	5.2	100	0.7	700	2.1
TN					100	8.3	100	4.5
TX	400	2.4	400	2.9	3,500	20.6	1,700	12.1
UT			300	9.7	100	1.4	100	3.2
VA	100	4.5	200	4.7	600	27.3	1,600	37.2
WA								
WV		0.0	100	5.9	100	9.1	400	23.5
WI	100	2.6	700	8.0	200	5.3	400	4.6
WY			200	4.3			100	2.1
Oth Sts ³	100	1.6	3,400	27.9	1,300	21.0	2,400	19.7
Unpub ⁴	100		100					
US	2,900	1.8	14,500	6.3	12,300	7.7	18,100	7.9

¹ Unpublished States include IN, NM, NY and OH for sheep only; MO, N ENG, and TN for lambs only; NC for sheep and lambs.

² N ENG includes CT, ME, MA, NH, RI, and VT.

³ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁴ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Other Digestive
and Respiratory Problems by State and United States, 2009**

State	Other Digestive Problems ¹				Respiratory Problems ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ								
CA	1,100	12.0	300	10.0	300	3.3	300	10.0
CO	300	5.5	900	10.2	400	7.3	3,500	39.8
ID	200	3.7	500	10.2	400	7.4	300	6.1
IL	100	3.7	500	8.3	100	3.7	800	13.3
IN	100	5.0	300	5.8	100	5	600	11.5
IA	300	3.5	900	4.8	500	5.9	3,200	17.2
KS	100	3.8	300	5.2	200	7.7	1,100	19.0
KY	100	5.6			100	5.6	200	6.3
MI	100	3.6	200	3.2	100	3.6	700	11.3
MN	200	3.2	500	3.6	500	7.9	2,600	19.0
MO			500	8.2	100	5.3	800	13.1
MT	300	2.6	200	2.4	400	3.4	900	10.7
NE			100	1.6	300	11.5	1,000	15.9
NV			100	3.4	100	4.8	200	6.9
N ENG ³							100	3.8
NM					100	2.2		
NY	100	6.3	300	8.1	100	6.3	200	5.4
NC							100	8.3
ND			100	0.9	300	8.6	700	6.6
OH	100	1.6	1,000	8.8	600	9.8	1,500	13.2
OK	100	3.8	100	2.1	100	3.8	900	19.1
OR	200	3.4	500	20.0	200	3.4	400	16.0
PA	100	3.2	200	3.2	100	3.2	400	6.5
SD	100	0.7	1,000	3.0	800	5.8	3,800	11.6
TN					100	8.3	100	4.5
TX	600	3.5	2,400	17.1	400	2.4	1,600	11.4
UT	500	7.2	100	3.2	100	1.4	200	6.5
VA			400	9.3	100	4.5	100	2.3
WA	100	8.3	100	11.1			100	11.1
WV							100	5.9
WI	300	7.9	1,000	11.5	400	10.5	1,600	18.4
WY	400	4.0	600	12.8	200	2	200	4.3
Oth Sts ⁴	200	3.2	300	2.5	300	4.8	600	4.9
Unpub ⁵	100		100		100			
US	5,800	3.7	13,500	5.9	7,600	4.8	28,900	12.6

¹ Unpublished States include MO, NM, and VA for sheep only; KY, NC, and TN for lambs only. Includes bloat, scours, acidosis, etc.

² Unpublished States include N ENG and TN for sheep only. Includes pneumonia, shipping fever, etc.

³ N ENG includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁵ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Metabolic Problems
and Other Diseases by State and United States, 2009**

State	Metabolic Problems ¹				Other Diseases ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ								
CA					400	4.3	300	10.0
CO					400	7.3	100	1.1
ID					500	9.3	500	10.2
IL					100	3.7		
IN			100	1.9				
IA	100	1.2	300	1.6	900	10.6	100	0.5
KS			100	1.7	100	3.8		
KY							100	3.1
MI			100	1.6	100	3.6	700	11.3
MN	300	4.8	100	0.7	300	4.8	900	6.6
MO					100	5.3	100	1.6
MT			100	1.2	800	6.9	100	1.2
NE							300	4.8
NV					100	4.8	200	6.9
N ENG ³							100	3.8
NM					600	13.3		
NY			100	2.7	200	12.5	100	2.7
NC							100	8.3
ND	100	2.9	100	0.9				
OH			200	1.8	200	3.3	500	4.4
OK					200	7.7	500	10.6
OR					300	5.2	100	4.0
PA	100	3.2	100	1.6	100	3.2		
SD			100	0.3	200	1.5	500	1.5
TN								
TX					800	4.7	200	1.4
UT	100	1.4	100	3.2	200	2.9	100	3.2
VA			100	2.3	100	4.5		
WA								
WV								
WI					400	10.5		
WY			100	2.1	300	3.0	200	4.3
Oth Sts ⁴	100	1.6	100	0.8	200	3.2	200	1.6
Unpub ⁵	100		100		100		100	
US	900	0.6	1,900	0.8	7,700	4.8	6,100	2.7

¹ Unpublished States include KS, NY, SD, and VA for sheep only; IL, TX, and WI for lambs only. Includes milk fever, twin lamb disease, pregnancy toxemia, etc.

² Unpublished States include AZ, IN, NE, TN, ND, and WA for sheep only; IL and PA for lambs only. Includes mastitis, foot rot, boils, etc.

³ New England includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MS, NJ, and SC.

⁵ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Weather
and Lambing Problems by State and United States, 2009**

State	Weather Related ¹				Lambing Problems ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ	600	60.0	300	60.0	100	10.0		
CA	100	1.1	200	6.7	900	9.8		
CO	1,200	21.8	900	10.2	800	14.5		
ID	200	3.7	700	14.3	1,000	18.5		
IL	100	3.7	800	13.3	300	11.1	1,300	21.7
IN	100	5.0	1,300	25.0	300	15.0	1,400	26.9
IA	300	3.5	2,800	15.1	1,700	20.0	5,200	28.0
KS	500	19.2	1,300	22.4	300	11.5	900	15.5
KY	500	27.8	400	12.5	200	11.1	400	12.5
MI	100	3.6	800	12.9	300	10.7	700	11.3
MN	100	1.6	2,300	16.8	900	14.3	2,700	19.7
MO	100	5.3	1,800	29.5	300	15.8	700	11.5
MT	2,700	23.3	2,400	28.6	700	6.0		
NE	300	11.5	1,100	17.5	300	11.5	1,300	20.6
NV			300	10.3	300	14.3		
N ENG ³			100	3.8	800	57.1	1,800	69.2
NM	1,300	28.9	800	61.5	200	4.4		
NY			400	10.8	200	12.5	2,100	56.8
NC			100	8.3	100	12.5	100	8.3
ND	1,600	45.7	7,800	73.6	200	5.7	1,300	12.3
OH	100	1.6	1,800	15.8	900	14.8	2,500	21.9
OK			500	10.6	200	7.7	1,300	27.7
OR	400	6.9	300	12.0	800	13.8		
PA	200	6.5	1,600	25.8	400	12.9	2,000	32.3
SD	6,600	48.2	19,000	57.8	800	5.8	3,200	9.7
TN	100	8.3	300	13.6	100	8.3	100	4.5
TX	2,300	13.5	2,500	17.9	1,500	8.8		
UT	100	1.4	400	12.9	1,000	14.5		
VA			600	14.0	300	13.6	700	16.3
WA	100	8.3	200	22.2	200	16.7		
WV			400	23.5	200	18.2	200	11.8
WI	100	2.6	1,300	14.9	700	18.4	1,200	13.8
WY	4,700	46.5	2,000	42.6	1,600	15.8		
Oth Sts ⁴	300	4.8	900	7.4	1,200	19.4	2,000	16.4
Unpub ⁵	100							
US	24,900	15.7	58,400	25.6	19,800	12.5	33,100	14.5

¹ Unpublished States include NV, N Eng, VA, and WV for sheep. Includes chilling, drowning, lightning, etc.

² Lambs lost due to lambing problems are not applicable for AZ, CA, ID, MT, NV, NM, OR, TX, UT, WA, and WY. These States ask lambs lost before and after docking while all other States only ask for lambs lost. Estimates shown here are after docking losses only. Before docking loss estimates are available in state level publications for CO, ID, MT, UT, and WY.

³ New England includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁵ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Old Age
and Being on Their Back by State and United States, 2009**

State	Old Age ¹				On Their Back ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ	100	10.0						
CA	2,600	28.3			100	1.1		
CO	900	16.4			100	1.8		
ID	1,700	31.5			100	1.9		
IL	500	18.5						
IN	1,100	55.0						
IA	2,000	23.5			100	1.2		
KS	600	23.1					100	1.7
KY	100	5.6						
MI	1,200	42.9			100	3.6		
MN	2,300	36.5			100	1.6		
MO	800	42.1						
MT	2,800	24.1			300	2.6	100	1.2
NE	600	23.1						
NV	1,300	61.9					100	3.4
N ENG ³	300	21.4						
NM	800	17.8			100	2.2		
NY	700	43.8						
NC	200	25.0						
ND	800	22.9						
OH	1,100	18.0			400	6.6	100	0.9
OK	700	26.9						
OR	1,900	32.8			200	3.4		
PA	800	25.8			100	3.2		
SD	3,200	23.4			200	1.5		
TN	100	8.3						
TX	2,900	17.1			100	0.6		
UT	1,800	26.1			200	2.9		
VA	600	27.3						
WA	400	33.3						
WV	500	45.5			100	9.1		
WI	1,100	28.9			100	2.6		
WY	1,600	15.8			400	4.0		
Oth Sts ⁴	1,200	19.4						
Unpub ⁵					100			
US	39,300	24.7			2,900	1.8	400	0.2

¹ Not applicable for Lambs.

² Unpublished States include KS, NY, and TN for sheep.

³ New England includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁵ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Poisoning
and Theft by State and United States, 2009**

State	Poisoning ¹				Theft			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
CA	200	2.2						
CO	700	12.7	600	6.8				
ID	100	1.9	300	6.1				
IL	200	7.4						
IA	200	2.4	600	3.2				
KS							200	3.4
MI							200	3.2
MN	100	1.6	100	0.7			100	0.7
MO			100	1.6				
MT	400	3.4	200	2.4				
NV	100	4.8	300	10.3				
NM	100	2.2			100	2.2		
OK	100	3.8						
OR	100	1.7			200	3.4		
PA	100	3.2	200	3.2				
SD	100	0.7	100	0.3			100	0.3
TN			900	40.9				
TX	600	3.5	400	2.9	300	1.8	300	2.1
UT	1,000	14.5	400	12.9	200	2.9	200	6.5
WY	700	6.9	600	12.8				
Oth Sts ²	100	1.6	200	1.6				
Unpub ³	100		100					
US	5,000	3.1	5,100	2.2	800	0.5	1,100	0.5

¹ Unpublished States include KS and KY for sheep only; CA, IL, and NY for lambs only; IN for sheep and lambs.

Includes nitrate poisoning, noxious feeds, noxious weeds, etc.

² Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

³ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of Sheep and Lambs: Number and Percent from Other Non-Predators
and Unknown Non-Predators by State and United States, 2009**

State	Other Non-Predator ¹				Unknown Non-Predator ²			
	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred	Sheep	% Total Non-Pred	Lambs	% Total Non-Pred
	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>	<i>Head</i>	<i>Pct</i>
AZ					100	10.0	200	40.0
CA	700	7.6	200	6.7	2,400	26.1	1,600	53.3
CO	300	5.5	600	6.8	300	5.5	600	6.8
ID	400	7.4	600	12.2	800	14.8	1,500	30.6
IL	100	3.7	300	5.0	700	25.9	1,200	20.0
IN	100	5.0	400	7.7	100	5.0	300	5.8
IA	800	9.4	1,200	6.5	1,000	11.8	1,600	8.6
KS			100	1.7	500	19.2	1,200	20.7
KY	100	5.6	100	3.1	200	11.1	600	18.8
MI	100	3.6	900	14.5	200	7.1	800	12.9
MN	300	4.8	1,000	7.3	900	14.3	1,900	13.9
MO			600	9.8	200	10.5	600	9.8
MT	100	0.9	300	3.6	2,800	24.1	3,400	40.5
NE	100	3.8	100	1.6	600	23.1	2,000	31.7
NV					200	9.5	1,500	51.7
N ENG ³					200	14.3	300	11.5
NM	200	4.4	100	7.7	1,000	22.2	200	15.4
NY			100	2.7	100	6.3	100	2.7
NC			100	8.3	300	37.5	300	25.0
ND			100	0.9	200	5.7	200	1.9
OH	1,000	16.4	1,200	10.5	900	14.8	1,200	10.5
OK			100	2.1	400	15.4	400	8.5
OR	600	10.3	300	12.0	400	6.9	600	24.0
PA	100	3.2	200	3.2	400	12.9	1,000	16.1
SD	300	2.2	1,100	3.3	800	5.8	1,600	4.9
TN			200	9.1	700	58.3	500	22.7
TX	600	3.5	1,900	13.6	3,000	17.6	2,600	18.6
UT	300	4.3	300	9.7	1,300	18.8	900	29.0
VA	100	4.5	200	4.7	300	13.6	400	9.3
WA	100	8.3			300	25.0	500	55.6
WV	100	9.1	100	5.9	100	9.1	400	23.5
WI	100	2.6	1,600	18.4	300	7.9	900	10.3
WY	100	1.0	400	8.5	100	1.0	300	6.4
Oth Sts ⁴	200	3.2	800	6.6	200	3.2	700	5.7
Unpub ⁵			100					
US	6,900	4.3	15,300	6.7	22,000	13.9	32,100	14.0

¹ Unpublished States include N ENG and WA for sheep. Includes accidents, fire, starvation, dehydration, etc.

² Exact cause of death is unidentifiable.

³ New England includes CT, ME, MA, NH, RI, and VT.

⁴ Other States include AL, AK, AR, DE, FL, GA, HI, LA, MD, MS, NJ, and SC.

⁵ States with values that did not meet publication requirements were combined into the Unpublished States category.

**Losses of All Goats: Number by Predators,
Diseases or Other Known Causes, Unknown Causes, and Total Value, 2009**

Item	Losses		Total Value
	Goats <i>Head</i>	Kids <i>Head</i>	All Goat Losses <i>1,000 Dollars</i>
Predator	60,000	120,000	18,720
Diseases and Other Known Causes	80,000	175,000	26,520
Unknown Causes	41,000	78,000	12,376
Total	181,000	373,000	57,616

¹ Goat value per head is based on a two-year straight average, using Texas data, of the value of all goats reported in the January 1 Sheep and Goat Survey from 2009 to 2010.

Reliability of Sheep and Goat Predator and Non-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 sheep producers, regardless of size, had a chance to be included in the survey. Large producers were sampled more heavily than small operations. About 23,000 operators were contacted during the first half of January by mail, telephone and face-to-face personal interview.

Estimation Procedures: Total death losses from all causes for sheep and lambs were as reported in "*Meat Animals, Production, Disposition, and Income - 2009*" (released April 29, 2010).

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.

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 or non-predator losses is planned.

Information Contacts

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

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