
Cattle and Calves Death Loss



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

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1991 Cattle and Calves Losses Valued at \$2.1 Billion

A total of 4.37 million head of cattle and calves were lost from all causes during 1991 in the United States. This excludes Alaska. Predators accounted for 106,000 head or 2.4 percent, while other causes made up the remainder. These total losses cost ranchers and farmers a total of \$2.11 billion with predator losses at \$41.5 million and other losses at \$2.07 billion.

Coyotes were the largest cause of cattle and calf predator losses at 65,900 head or 61.9 percent of the total loss to predators. The value of coyote losses was \$24.3 million. Dogs were the second leading cause of predator losses, accounting for 18.4 percent of predator losses. The western and mountain region accounted for 69.2 percent of all predator losses. Respiratory problems lead the other causes with 31.1 percent of the total deaths. The value of these losses was \$624 million. The second leading other cause of deaths in cattle and calves was digestive problems with 20.6 percent of the total. The value of these losses was \$395 million.

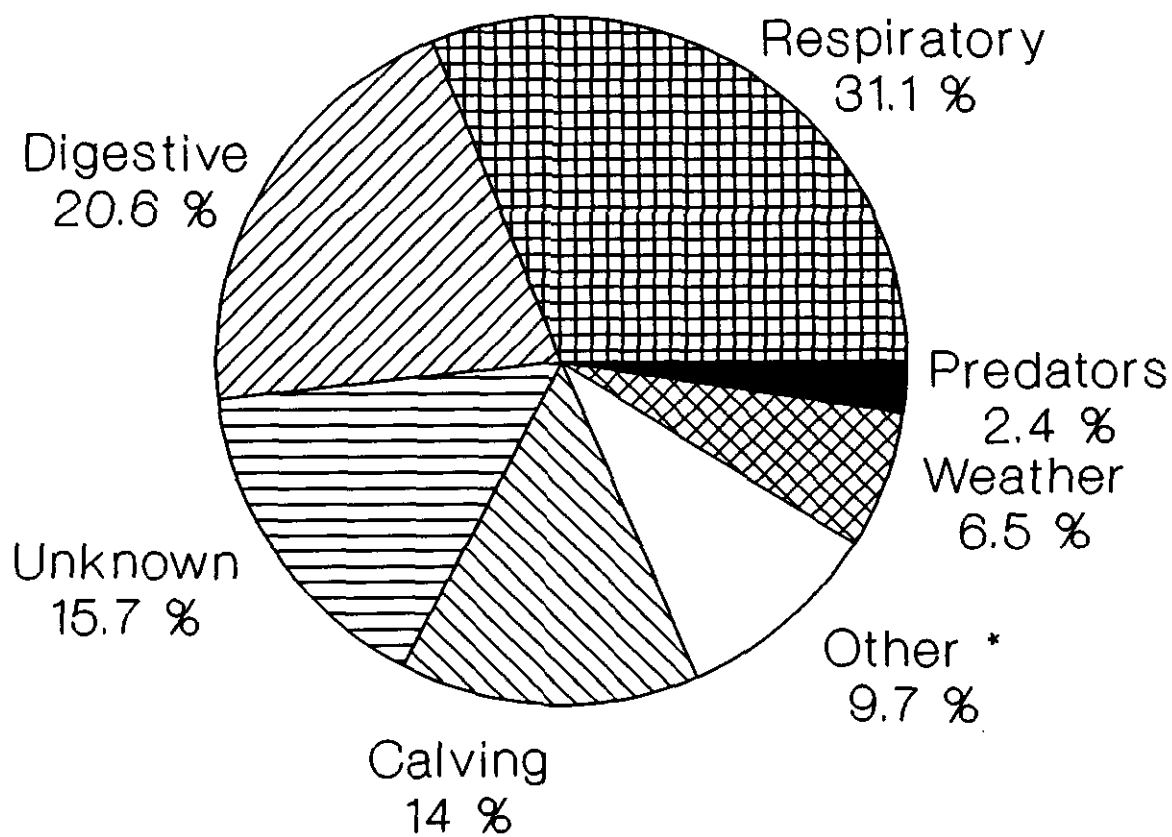
This report is released as a cooperative effort between the National Agricultural Statistics Service, and APHIS - Animal Damage Control and APHIS - National Animal Health Monitoring System.

Index is located at the end of this report. For information call
Glenda Shepler (202) 720-3040. Office hours are 8:00 a.m. to 4:30 p.m. ET.

Losses of Cattle and Calves from All Causes,
Number of Head and Total Value, United States, 1991

Cause	Number of Head	Percent of Total Deaths	Total Value
	Head	Percent	1,000 Dollars
Coyotes	65,900	1.5	24,320
Dogs	19,600	0.4	7,560
Mountain Lions & Bobcats	6,300	0.1	2,720
Bears	1,900	0.1	1,020
Wolves	1,800	0.1	640
Other Predators	10,900	0.2	5,280
Total Predators	106,400	2.4	41,540
Digestive Problems	901,600	20.6	394,530
Respiratory Problems	1,358,200	31.1	624,085
Calving Problems	610,100	14.0	304,535
Weather	283,900	6.5	138,405
Poison	69,600	1.6	41,310
Theft	32,600	0.7	16,570
Other Causes	321,500	7.4	196,215
Unknown Causes	686,500	15.7	349,825
Total Non-Predator Causes	4,264,000	97.6	2,065,475
Total Losses	4,370,400	100.0	2,107,015

Losses of Cattle and Calves From All Causes, U.S., 1991



* Poison, theft, and other causes.

Losses of Cattle by Predators, Other Causes and Total,
by State and United States, 1991

State	Total	Predators		Other Causes	
	Cattle	Cattle	Percent of Total Deaths	Cattle	Percent of Total Deaths
	Head		Percent	Head	Percent
AL	23,000	300	1.3	22,700	98.7
AZ	25,000	1,600	6.4	23,400	93.6
AR	30,000	300	1.0	29,700	99.0
CA	75,000	1,100	1.5	73,900	98.5
CO	55,000	200	0.4	54,800	99.6
CT	2,000	0		2,000	100.0
DE	1,000	1/		1,000	100.0
FL	22,000	400	1.8	21,600	98.2
GA	32,000	400	1.3	31,600	98.7
HI	3,000	1/		3,000	100.0
ID	22,000	100	0.5	21,900	99.5
IL	25,000	200	0.8	24,800	99.2
IN	15,000	100	0.7	14,900	99.3
IA	65,000	300	0.5	64,700	99.5
KS	80,000	200	0.3	79,800	99.8
KY	45,000	300	0.7	44,700	99.3
LA	20,000	200	1.0	19,800	99.0
ME	2,000	1/		2,000	100.0
MD	5,000	100	2.0	4,900	98.0
MA	1,000	1/		1,000	100.0
MI	25,000	100	0.4	24,900	99.6
MN	45,000	100	0.2	44,900	99.8
MS	25,000	300	1.2	24,700	98.8
MO	70,000	500	0.7	69,500	99.3
MT	26,000	300	1.2	25,700	98.8
NE	80,000	200	0.3	79,800	99.8
NV	6,000	1/		6,000	100.0
NH	1,000	0		1,000	100.0
NJ	1,000	1/		1,000	100.0
NM	19,000	1,000	5.3	18,000	94.7
NY	33,000	1/		33,000	100.0
NC	17,000	300	1.8	16,700	98.2
ND	19,000	200	1.1	18,800	98.9
OH	25,000	0		25,000	100.0
OK	85,000	1,800	2.1	83,200	97.9
OR	25,000	200	0.8	24,800	99.2
PA	28,000	100	0.4	27,900	99.6
RI	100	0		100	100.0
SC	12,000	0		12,000	100.0
SD	55,000	300	0.5	54,700	99.5
TN	35,000	400	1.1	34,600	98.9
TX	240,000	3,000	1.3	237,000	98.7
UT	11,000	100	0.9	10,900	99.1
VT	11,000	100	0.9	10,900	99.1
VA	27,000	800	3.0	26,200	97.0
WA	27,000	200	0.7	26,800	99.3
WV	8,000	1/		8,000	100.0
WI	65,000	0		65,000	100.0
WY	15,000	100	0.7	14,900	99.3
US	1,584,100	15,900	1.0	1,568,200	99.0

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Calves by Predators, Other Causes and Total,
by State and United States, 1991

State	Total	Predators		Other Causes	
	Calves	Calves	Percent of Total Deaths	Calves	Percent of Total Deaths
	Head	Head	Percent	Head	Percent
AL	30,000	2,100	7.0	27,900	93.0
AZ	40,000	3,300	8.3	36,700	91.7
AR	45,000	1,400	3.1	43,600	96.9
CA	140,000	4,300	3.1	135,700	96.9
CO	60,000	2,900	4.8	57,100	95.2
CT	2,000	1/		2,000	100.0
DE	1,000	1/		1,000	100.0
FL	35,000	900	2.6	34,100	97.4
GA	40,000	1,300	3.3	38,700	96.7
HI	4,000	200	5.0	3,800	95.0
ID	50,000	1,200	2.4	48,800	97.6
IL	55,000	1,800	3.3	53,200	96.7
IN	35,000	500	1.4	34,500	98.6
IA	130,000	1,600	1.2	128,400	98.8
KS	70,000	1,100	1.6	68,900	98.4
KY	85,000	3,300	3.9	81,700	96.1
LA	30,000	1,400	4.7	28,600	95.3
ME	4,000	1/		4,000	100.0
MD	8,000	0		8,000	100.0
MA	2,000	1/		2,000	100.0
MI	55,000	100	0.2	54,900	99.8
MN	120,000	1,400	1.2	118,600	98.8
MS	39,000	1,600	4.1	37,400	95.9
MO	135,000	1,800	1.3	133,200	98.7
MT	60,000	1,800	3.0	58,200	97.0
NE	90,000	1,800	2.0	88,200	98.0
NV	15,000	1,600	10.7	13,400	89.3
NH	2,000	1/		2,000	100.0
NJ	2,000	0		2,000	100.0
NM	33,000	1,800	5.5	31,200	94.5
NY	85,000	200	0.2	84,800	99.8
NC	31,000	700	2.3	30,300	97.7
ND	53,000	1,400	2.6	51,600	97.4
OH	50,000	100	0.2	49,900	99.8
OK	145,000	7,000	4.8	138,000	95.2
OR	55,000	4,500	8.2	50,500	91.8
PA	65,000	200	0.3	64,800	99.7
RI	300	0		300	100.0
SC	19,000	600	3.2	18,400	96.8
SD	110,000	3,700	3.4	106,300	96.6
TN	80,000	4,100	5.1	75,900	94.9
TX	300,000	23,400	7.8	276,600	92.2
UT	28,000	1,000	3.6	27,000	96.4
VT	20,000	200	1.0	19,800	99.0
VA	65,000	1,600	2.5	63,400	97.5
WA	30,000	800	2.7	29,200	97.3
WV	18,000	200	1.1	17,800	98.9
WI	185,000	400	0.2	184,600	99.8
WY	30,000	1,200	4.0	28,800	96.0
US	2,786,300	90,500	3.2	2,695,800	96.8

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Coyotes and Dogs, by State and United States, 1991

State	Coyotes				Dogs			
	Cattle	% of Total	Calves	% of Total	Cattle	% of Total	Calves	% of Total
	Head	Percent	Head	Percent	Head	Percent	Head	Percent
AL	100	33.3	1,600	76.2	100	33.3	500	23.8
AZ	1,300	81.3	1,900	57.6	1/		100	3.7
AR	1/		300	21.4	1/		900	64.3
CA	200	18.2	2,600	60.5	200	18.2	1,000	23.3
CO	100	50.0	2,500	86.2	0		200	6.9
CT	0		1/		0		0	
DE	0		0		0		0	
FL	1/		200	22.2	200	50.0	500	55.6
GA	100	25.0	600	46.2	200	50.0	600	46.2
HI	0		0		0		200	100.0
ID	1/		900	75.0	0		1/	
IL	0		1,400	77.8	0		200	11.1
IN	1/		400	80.0	1/		1/	
IA	200	66.7	1,200	75.0	1/		100	6.3
KS	100	50.0	800	72.7	1/		100	9.1
KY	100	33.3	1,800	54.5	100	33.3	1,400	42.4
LA	100	50.0	1,200	85.7	0		100	7.1
ME	0		1/		0		0	
MD	0		0		0		0	
MA	1/		1/		0		0	
MI	0		0		1/		100	100.0
MN	0		400	28.6	1/		100	7.1
MS	1/		1,300	81.3	1/		200	12.5
MO	200	40.0	1,000	55.6	200	40.0	600	33.3
MT	1/		1,200	66.7	1/		100	5.6
NE	100	50.0	1,700	94.4	1/		1/	
NV	1/		1,500	93.8	0		100	6.3
NH	0		1/		0		0	
NJ	0		0		0		0	
NM	200	20.0	1,000	55.6	0		100	5.6
NY	1/		200	100.0	0		0	
NC	0		0		200	66.7	600	85.7
ND	100	50.0	1,300	92.9	0		0	
OH	0		1/		0		1/	
OK	1,300	72.2	4,000	57.1	200	11.1	2,300	32.9
OR	1/		4,000	88.9	1/		100	2.2
PA	0		1/		0		100	50.0
RI	0		0		0		0	
SC	0		0		0		600	100.0
SD	100	33.3	3,500	94.6	1/		200	5.4
TN	0		1,400	34.1	300	75.0	2,100	51.2
TX	1,000	33.3	16,200	69.2	300	6.0	2,300	9.8
UT	1/		800	80.0	0		1/	
VT	1/		200	100.0	1/		0	
VA	0		700	43.8	200	25.0	800	50.0
WA	100	50.0	700	87.5	1/		100	12.5
WV	0		1/		1/		100	50.0
WI	0		300	75.0	0		100	25.0
WY	1/		1,000	83.3	1/		1/	
US	5,900	37.1	60,000	66.3	2,800	17.6	16,800	18.6

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Mountain Lions and Bobcats,
by Selected States and United States, 1991

State	Mountain Lions and Bobcats			
	Cattle	% of Total Predators	Calves	% of Total Predators
	Head	Percent	Head	Percent
AZ	200	12.5	1,200	36.4
CA	400	36.4	600	14.0
CO	1/		100	3.4
ID	1/		100	8.3
KS	1/		100	9.1
MO	0		1/	
MT	100	33.3	200	11.1
NM	0		200	11.1
OK	0		100	1.4
OR	0		300	6.7
TX	800	26.7	1,700	7.3
UT	1/		1/	
WA	1/		0	
WY	100	100.0	100	8.3
US	1,600	10.1	4,700	5.2

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Other Predators, by States and United States, 1991

State	All Other Predators			
	Cattle	% of Total Predators	Calves	% of Total Predators
	Head	Percent	Head	Percent
AL	100	33.3	0	
AZ	1/		1/	
AR	200	66.7	200	14.3
CA	300	27.3	1/	
CO	1/		1/	
CT	0		0	
DE	1/		1/	
FL	100	25.0	200	22.2
GA	100	25.0	100	7.6
HI	1/		1/	
ID	1/		100	8.3
IL	200	100.0	200	11.1
IN	1/		1/	
IA	1/		300	18.8
KS	1/		100	9.0
KY	100	33.3	100	3.0
LA	1/		100	7.1
ME	1/		0	
MD	100	100.0	0	
MA	0		1/	
MI	1/		0	
MN	1/		500	35.7
MS	200	66.7	100	6.3
MO	100	20.0	100	5.6
MT	1/		100	5.6
NE	1/		1/	
NV	1/		0	
NH	0		0	
NJ	1/		0	
NM	0		1/	
NY	0		0	
NC	100	33.3	100	14.3
ND	100	50.0	100	7.1
OH	0		0	
OK	300	16.7	500	7.1
OR	100	50.0	1/	
PA	100	100.0	1/	
RI	0		0	
SC	0		0	
SD	100	33.3	0	
TN	100	25.0	600	14.6
TX	900	18.0	2,100	9.0
UT	0		1/	
VT	1/		0	
VA	600	75.0	100	6.3
WA	1/		0	
WV	1/		1/	
WI	0		0	
WY	0		1/	
US	4,600	28.9	6,300	7.0

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Digestive and Respiratory Problems,
by States and United States, 1991

State	Digestive Problems				Respiratory Problems			
	Cattle	% of Total Deaths	Calves	% of Total Deaths	Cattle	% of Total Deaths	Calves	% of Total Deaths
	Head	Percent	Head	Percent	Head	Percent	Head	Percent
AL	1,600	7.0	5,500	18.3	5,500	23.9	9,000	30.0
AZ	5,400	21.6	12,000	30.0	5,500	22.0	16,000	40.0
AR	2,200	7.3	6,600	14.7	6,700	22.3	24,100	53.6
CA	12,000	16.0	28,900	20.6	17,900	23.9	50,400	36.0
CO	6,600	12.0	11,200	18.7	27,100	49.3	20,400	34.0
CT	100	5.0	900	45.0	300	15.0	400	20.0
DE	100	10.0	300	30.0	1/		100	10.0
FL	1,000	4.5	7,800	22.3	700	3.2	5,200	14.9
GA	3,700	11.6	9,500	23.8	3,800	11.9	10,700	26.8
HI	200	6.7	200	5.0	200	6.7	500	12.5
ID	3,000	13.6	13,000	26.0	3,800	17.3	12,700	25.4
IL	3,700	14.8	12,500	22.7	11,300	45.2	18,800	34.2
IN	1,800	12.0	9,200	26.3	2,100	14.0	13,500	38.6
IA	10,000	15.4	28,300	21.8	25,500	39.2	49,900	38.4
KS	19,600	24.5	10,000	14.3	34,700	43.4	40,600	58.0
KY	5,600	12.4	21,700	25.5	6,500	14.4	19,000	22.4
LA	3,500	17.5	9,300	31.0	2,700	13.5	8,800	29.3
ME	300	15.0	1,400	35.0	500	25.0	1,000	25.0
MD	800	16.0	3,400	42.5	800	16.0	1,900	23.8
MA	100	10.0	900	45.0	100	10.0	400	20.0
MI	4,600	18.4	20,600	37.5	8,200	32.8	19,500	35.5
MN	5,900	13.1	43,200	36.0	15,000	33.3	45,700	38.1
MS	2,600	10.4	4,600	11.8	4,600	18.4	21,500	55.1
MO	4,400	6.3	39,000	28.9	8,300	11.9	38,800	28.7
MT	4,000	15.4	16,200	27.0	4,000	15.4	9,500	15.8
NE	9,400	11.8	27,200	30.2	43,600	54.5	30,900	34.3
NV	400	6.7	3,400	22.7	700	11.7	1,600	10.7
NH	1/		600	30.0	100	10.0	700	35.0
NJ	100	10.0	1,000	50.0	100	10.0	600	30.0
NM	2,000	10.5	2,500	7.6	4,700	24.7	11,300	34.2
NY	5,200	15.8	32,800	38.6	6,000	18.2	26,000	30.6
NC	600	3.5	8,100	26.1	2,000	11.8	9,700	31.3
ND	3,100	16.3	18,500	34.9	4,100	21.6	12,600	23.8
OH	3,300	13.2	19,800	39.6	4,900	19.6	17,400	34.8
OK	9,100	10.7	20,300	14.0	16,300	19.2	56,800	39.2
OR	4,600	18.4	10,800	19.6	3,500	14.0	14,900	27.1
PA	3,300	11.8	23,100	35.5	2,500	8.9	18,800	28.9
RI	0		1/		1/		1/	
SC	2,500	20.8	4,700	24.7	2,000	16.7	5,600	29.5
SD	8,100	14.7	33,400	30.4	16,500	30.0	31,300	28.5
TN	3,200	9.1	24,200	30.3	4,400	12.6	24,800	31.0
TX	18,600	6.9	31,900	10.6	70,000	29.2	127,000	42.3
UT	2,100	19.1	8,100	28.9	1,800	16.4	6,100	21.8
VT	800	7.3	5,500	27.5	1,200	10.9	6,800	34.0
VA	2,600	9.6	16,300	25.1	5,800	21.5	21,900	33.7
WA	5,100	18.9	11,100	37.0	6,300	23.3	8,900	29.7
WV	1,100	13.8	5,100	28.3	800	10.0	4,100	22.8
WJ	10,100	15.5	69,200	37.4	13,500	20.8	67,200	36.3
WY	2,200	14.7	7,300	24.3	3,100	20.7	5,000	16.7
US	200,400	12.6	701,200	25.2	409,800	25.9	948,400	34.0

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Calving Problems and Weather,
by States and United States, 1991

State	Calving Problems				Weather			
	Cattle	% of Total Deaths	Calves	% of Total Deaths	Cattle	% of Total Deaths	Calves	% of Total Deaths
	Head	Percent	Head	Percent	Head	Percent	Head	Percent
AL	6,000	26.1	5,600	18.7	1,200	5.2	700	2.3
AZ	2,800	11.2	500	1.3	3,200	12.8	5,000	12.5
AR	8,400	28.0	5,800	12.9	2,600	8.7	1,600	3.6
CA	11,600	15.5	11,600	8.3	2,400	3.2	5,400	3.9
CO	3,100	5.6	8,200	13.7	2,500	4.5	3,600	6.0
CT	600	30.0	200	10.0	0		0	
DE	200	20.0	200	20.0	0		1/	
FL	5,700	25.9	5,100	14.6	3,600	16.4	1,500	4.3
GA	7,900	24.7	6,800	17.0	1,200	3.8	1,300	3.3
HI	400	13.3	600	15.0	400	13.3	600	15.0
ID	1,700	7.7	6,700	13.4	500	2.3	4,500	9.0
IL	2,400	9.6	9,500	17.3	1,100	4.4	3,500	6.4
IN	2,600	17.3	4,200	12.0	2,000	13.3	1,200	3.4
IA	5,600	8.6	22,500	17.3	8,700	13.4	14,200	10.9
KS	3,900	4.9	7,000	10.0	9,700	12.1	5,100	7.3
KY	10,500	23.3	13,000	15.3	3,000	6.7	3,600	4.2
LA	4,900	24.5	3,600	12.0	1,400	7.0	1,400	4.7
ME	400	20.0	600	15.0	1/		1/	
MD	1,300	26.0	1,200	15.0	300	6.0	500	6.3
MA	200	20.0	200	10.0	1/		100	5.0
MI	4,900	19.6	6,300	11.5	700	2.8	1,100	2.0
MN	7,400	16.4	10,000	8.3	2,100	4.7	4,300	3.6
MS	6,500	26.0	5,100	13.1	1,500	6.0	1,300	3.3
MO	18,400	26.3	20,500	15.2	11,200	16.0	12,800	9.5
MT	3,000	11.5	13,400	22.3	3,600	13.8	9,000	15.0
NE	7,500	9.4	17,000	18.9	8,500	10.6	8,800	9.8
NV	400	6.7	700	4.7	300	5.0	900	6.0
NH	300	30.0	400	20.0	1/		0	
NJ	400	40.0	200	10.0	1/		1/	
NM	1,800	9.5	4,000	12.1	1,400	7.4	4,900	14.8
NY	8,800	26.7	8,800	10.4	800	2.4	1,300	1.5
NC	4,600	27.1	3,800	12.3	600	3.5	1,200	3.9
ND	1,500	7.9	11,200	21.1	3,200	16.8	3,700	7.0
OH	5,700	22.8	6,800	13.6	500	2.0	900	1.8
OK	13,900	16.4	18,100	12.5	8,800	10.4	12,100	8.3
OR	2,900	11.6	10,600	19.3	600	2.4	2,100	3.8
PA	5,900	21.1	6,000	9.2	800	2.9	500	0.8
RI	1/		1/		0		1/	
SC	3,700	30.8	4,800	25.3	600	5.0	200	1.1
SD	5,200	9.5	16,500	15.0	8,700	15.8	13,700	12.5
TN	11,100	31.7	8,600	10.8	1,000	2.9	2,400	3.0
TX	29,400	12.3	26,100	8.7	9,400	3.9	14,100	4.7
UT	1,400	12.7	4,900	17.5	500	4.5	2,200	7.9
VT	2,500	22.7	3,200	16.0	300	2.7	400	2.0
VA	5,100	18.9	12,400	19.1	1,400	5.2	3,400	5.2
WA	4,700	17.4	2,400	8.0	1,200	4.4	1,500	5.0
WV	2,000	25.0	5,400	30.0	200	2.5	900	5.0
WI	12,600	19.4	10,500	5.7	1,700	2.6	1,200	0.6
WY	1,500	10.0	6,000	20.0	2,600	17.3	8,700	29.0
US	253,300	16.0	356,800	12.8	116,300	7.3	167,600	6.0

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Poison and Theft,
by States and United States, 1991

State	Poison				Thefts			
	Cattle	% of Total Deaths	Calves	% of Total Deaths	Cattle	% of Total Deaths	Calves	% of Total Deaths
	Head	Percent	Head	Percent	Head	Percent	Head	Percent
AL	700	3.0	300	1.0	100	0.4	100	0.3
AZ	1,200	4.8	100	0.3	100	0.4	100	0.3
AR	1,400	4.7	200	0.4	500	1.7	200	0.4
CA	1,100	1.5	200	0.1	500	0.7	1,200	0.9
CO	5,100	9.3	900	1.5	400	0.7	400	0.7
CT	0		1/		0		1/	
DE	0		0		0		0	
FL	200	0.9	200	0.6	200	0.9	300	0.9
GA	1,900	5.9	600	1.5	0		200	0.5
HI	1/		1/		100	3.3	1/	
ID	1,800	8.2	500	1.0	300	1.4	500	1.0
IL	600	2.4	600	1.1	100	0.4	100	0.2
IN	600	4.0	200	0.6	100	0.7	0	
IA	500	0.8	1,100	0.8	400	0.6	400	0.3
KS	1,900	2.4	300	0.4	800	1.0	400	0.6
KY	2,300	5.1	700	0.8	300	0.7	400	0.5
LA	300	1.5	200	0.7	700	3.5	200	0.7
ME	1/		0		0		0	
MD	100	2.0	0		100	2.0	100	1.3
MA	1/		1/		1/		1/	
MI	200	0.8	200	0.4	0		0	
MN	500	1.1	500	0.4	0		200	0.2
MS	1,200	4.8	200	0.5	200	0.8	200	0.5
MO	2,400	3.4	1,000	0.7	1,300	1.9	200	0.1
MT	1,400	5.4	400	0.7	300	1.2	400	0.7
NE	1,200	1.5	200	0.2	200	0.3	200	0.2
NV	500	8.3	200	1.3	1/		100	0.7
NH	0		0		0		0	
NJ	1/		1/		0		0	
NM	700	3.7	400	1.2	300	1.6	300	0.9
NY	200	0.6	300	0.4	1/		200	0.2
NC	200	1.2	200	0.6	0		100	0.3
ND	300	1.6	500	0.9	300	1.6	500	0.9
OH	600	2.4	200	0.4	300	1.2	100	0.2
OK	3,700	4.4	2,300	1.6	4,600	5.4	3,700	2.6
OR	1,400	5.6	400	0.7	0		200	0.4
PA	400	1.4	500	0.8	0		0	
RI	0		0		0		0	
SC	200	1.7	600	3.2	0		100	0.5
SD	2,000	3.6	300	0.3	700	1.3	900	0.8
TN	2,000	5.7	1,100	1.4	600	1.7	900	1.1
TX	4,100	1.7	2,100	0.7	900	0.4	1,500	0.5
UT	700	6.4	300	1.1	100	0.9	200	0.7
VT	400	3.6	200	1.0	0		0	
VA	1,100	4.1	400	0.6	200	0.7	100	0.2
WA	300	1.1	100	0.3	600	2.2	300	1.0
WV	300	3.8	200	1.1	1/		100	0.6
WI	1,000	1.5	300	0.2	100	0.2	800	0.4
WY	2,600	17.3	700	2.3	500	3.3	300	1.0
US	49,500	3.1	20,100	0.7	16,200	1.0	16,400	0.6

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses of Cattle and Calves by Other and Unknown Causes,
by States and United States, 1991

State	Other and Unknown			
	Cattle	% of Total Deaths	Calves	% of Total Deaths
	Head	Percent	Head	Percent
AL	7,600	33.0	6,700	22.3
AZ	5,200	20.8	3,000	7.5
AR	7,900	26.3	5,100	11.3
CA	28,400	37.9	38,000	27.1
CO	10,000	18.2	12,400	20.7
CT	1,000	50.0	400	20.0
DE	600	60.0	400	40.0
FL	10,200	46.4	14,000	40.0
GA	13,100	40.9	9,600	24.0
HI	1,600	53.3	1,800	45.0
ID	10,800	49.1	10,900	21.8
IL	5,600	22.4	8,200	14.9
IN	5,700	38.0	6,200	17.7
IA	14,000	21.5	12,000	9.2
KS	9,200	11.5	5,500	7.9
KY	16,500	36.7	23,300	27.4
LA	6,300	31.5	5,100	17.0
ME	700	35.0	900	22.5
MD	1,500	30.0	900	11.3
MA	500	50.0	300	15.0
MI	6,300	25.2	7,200	13.1
MN	14,000	31.1	14,700	12.3
MS	8,100	32.4	4,500	11.5
MO	23,500	33.6	20,900	15.5
MT	9,400	36.2	9,300	15.5
NE	9,400	11.8	3,900	4.3
NV	3,600	60.0	6,500	43.3
NH	500	50.0	300	12.5
NJ	300	30.0	100	7.5
NM	7,100	37.4	7,800	23.6
NY	11,900	36.1	15,400	18.1
NC	8,700	51.2	7,200	23.2
ND	6,300	33.2	4,600	8.7
OH	9,700	38.8	4,700	9.4
OK	26,800	31.5	24,700	17.0
OR	11,800	47.2	11,500	20.9
PA	15,000	53.6	15,900	24.5
RI	1/		100	41.7
SC	3,000	25.0	2,400	12.6
SD	13,500	24.5	10,200	9.3
TN	12,300	35.1	13,900	17.4
TX	104,600	43.6	73,900	24.6
UT	4,300	39.1	5,200	18.6
VT	5,700	51.8	3,700	18.5
VA	10,000	37.0	8,900	13.7
WA	8,600	31.9	4,900	16.3
WV	3,500	43.8	2,000	11.1
WI	26,000	40.0	35,400	19.1
WY	2,400	16.0	800	2.7
US	522,700	33.0	485,300	17.4

1/ Less than 100 head for the State, but number is included in U.S. total.
Totals may not add due to rounding.

Losses and Value of Losses of Cattle by Predators, Other Causes
and Total, by States and United States, 1991

State	Total			Predators		Other Causes	
	All Losses	Value Per Head	Total Value	Losses	Total Value	Losses	Total Value
	Head	Dollars	1,000 Dol	Head	1,000 Dol	Head	1,000 Dol
AL	23,000	620	14,260	300	185	22,700	14,075
AZ	25,000	680	17,000	1,600	1,090	23,400	15,910
AR	30,000	645	19,350	300	195	29,700	19,155
CA	75,000	850	63,750	1,100	935	73,900	62,815
CO	55,000	705	38,775	200	140	54,800	38,635
CT	2,000	855	1,710	0		2,000	1,710
DE	1,000	820	820	1/		1,000	820
FL	22,000	685	15,070	400	270	21,600	14,800
GA	32,000	630	20,160	400	250	31,600	19,910
HI	3,000	510	1,530	1/		3,000	1,530
ID	22,000	715	15,730	100	70	21,900	15,660
IL	25,000	705	17,625	200	140	24,800	17,485
IN	15,000	705	10,575	100	70	14,900	10,505
IA	65,000	705	45,825	300	210	64,700	45,615
KS	80,000	650	52,000	200	130	79,800	51,870
KY	45,000	680	30,600	300	200	44,700	30,400
LA	20,000	655	13,100	200	130	19,800	12,970
ME	2,000	800	1,600	1/		2,000	1,600
MD	5,000	855	4,275	100	85	4,900	4,190
MA	1,000	825	825	1/		1,000	825
MI	25,000	850	21,250	100	85	24,900	21,165
MN	45,000	775	34,875	100	75	44,900	34,800
MS	25,000	615	15,375	300	185	24,700	15,190
MO	70,000	680	47,600	500	340	69,500	47,260
MT	26,000	765	19,890	300	230	25,700	19,660
NE	80,000	695	55,600	200	140	79,800	55,460
NV	6,000	675	4,050	1/		6,000	4,050
NH	1,000	850	850	0		1,000	850
NJ	1,000	920	920	1/		1,000	920
NM	19,000	685	13,015	1,000	685	18,000	12,330
NY	33,000	910	30,030	1/		33,000	30,030
NC	17,000	640	10,880	300	190	16,700	10,690
ND	19,000	745	14,155	200	150	18,800	14,005
OH	25,000	760	19,000	0		25,000	19,000
OK	85,000	620	52,700	1,800	1,115	83,200	51,585
OR	25,000	690	17,250	200	140	24,800	17,110
PA	28,000	875	24,500	100	90	27,900	24,410
RI	100	780	80	0		100	80
SC	12,000	605	7,260	0		12,000	7,260
SD	55,000	735	40,425	300	220	54,700	40,205
TN	35,000	645	22,575	400	260	34,600	22,315
TX	240,000	675	162,000	3,000	2,025	237,000	159,975
UT	11,000	725	7,975	100	70	10,900	7,905
VT	11,000	930	10,230	100	90	10,900	10,140
VA	27,000	670	18,090	800	535	26,200	17,555
WA	27,000	775	20,925	200	155	26,800	20,770
WV	8,000	620	4,960	1/		8,000	4,960
WI	65,000	905	58,825	0		65,000	58,825
WY	15,000	740	11,100	100	70	14,900	11,030
US	1,584,100		1,130,965	15,900	10,950	1,568,200	1,120,015

1/ Less than 100 head for the State, but number is included in U.S. total.
Values rounded to nearest \$5,000. Totals may not add due to rounding.

Losses and Value of Losses of Calves by Predators, Other Causes and Total,
by States and United States, 1991

State	Total			Predators		Other Causes	
	All	Value	Total	Losses	Total	Losses	Total
	Losses	Per Head	Value	Head	Value	Head	Value
	Head	Dollars	1,000 Dol	Head	1,000 Dol	Head	1,000 Dol
AL	30,000	320	9,600	2,100	670	27,900	8,930
AZ	40,000	330	13,200	3,300	1,090	36,700	12,110
AR	45,000	350	15,750	1,400	490	43,600	15,260
CA	140,000	330	46,200	4,300	1,420	135,700	44,780
CO	60,000	360	21,600	2,900	1,045	57,100	20,555
CT	2,000	300	600	1/		2,000	600
DE	1,000	400	400	1/		1,000	400
FL	35,000	360	12,600	900	325	34,100	12,275
GA	40,000	325	13,000	1,300	420	38,700	12,580
HI	4,000	225	900	200	45	3,800	855
ID	50,000	340	17,000	1,200	410	48,800	16,590
IL	55,000	415	22,825	1,800	745	53,200	22,080
IN	35,000	290	10,150	500	145	34,500	10,005
IA	130,000	340	44,200	1,600	545	128,400	43,655
KS	70,000	340	23,800	1,100	375	68,900	23,425
KY	85,000	325	27,625	3,300	1,075	81,700	26,550
LA	30,000	345	10,350	1,400	480	28,600	9,870
ME	4,000	300	1,200	1/		4,000	1,200
MD	8,000	405	3,240	0		8,000	3,240
MA	2,000	300	600	1/		2,000	600
MI	55,000	345	18,975	100	35	54,900	18,940
MN	120,000	355	42,600	1,400	500	118,600	42,100
MS	39,000	340	13,260	1,600	545	37,400	12,715
MO	135,000	340	45,900	1,800	610	133,200	45,290
MT	60,000	330	19,800	1,800	595	58,200	19,205
NE	90,000	350	31,500	1,800	630	88,200	30,870
NV	15,000	330	4,950	1,600	530	13,400	4,420
NH	2,000	290	580	1/		2,000	580
NJ	2,000	360	720	0		2,000	720
NM	33,000	355	11,715	1,800	640	31,200	11,075
NY	85,000	400	34,000	200	80	84,800	33,920
NC	31,000	315	9,765	700	220	30,300	9,545
ND	53,000	340	18,020	1,400	475	51,600	17,545
OH	50,000	310	15,500	100	30	49,900	15,470
OK	145,000	345	50,025	7,000	2,415	138,000	47,610
OR	55,000	320	17,600	4,500	1,440	50,500	16,160
PA	65,000	415	26,975	200	85	64,800	26,890
RI	300	300	90	0		300	90
SC	19,000	345	6,555	600	205	18,400	6,350
SD	110,000	350	38,500	3,700	1,295	106,300	37,205
TN	80,000	325	26,000	4,100	1,330	75,900	24,670
TX	300,000	335	100,500	23,400	7,840	276,600	92,660
UT	28,000	335	9,380	1,000	335	27,000	9,045
VT	20,000	285	5,700	200	55	19,800	5,645
VA	65,000	310	20,150	1,600	495	63,400	19,655
WA	30,000	315	9,450	800	250	29,200	9,200
WV	18,000	300	5,400	200	60	17,800	5,340
WI	185,000	470	86,950	400	190	184,600	86,760
WY	30,000	355	10,650	1,200	425	28,800	10,225
US	2,786,300		976,050	90,500	30,590	2,695,800	945,460

1/ Less than 100 head for the State, but number is included in U.S. total.
Values rounded to nearest \$5,000. Totals may not add due to rounding.

Losses of Cattle and Calves by Cause and Total Value,
by Regions and United States, 1991

Region	Total Predator Losses			Total Non-Predator Losses		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	10,600	63,000	28,590	857,500	1,250,100	1,024,045
Midwest	1,600	9,100	4,415	363,400	800,900	573,385
South and East	3,700	18,400	8,535	347,300	644,800	468,045
U.S.	15,900	90,500	41,540	1,568,200	2,695,800	2,065,475
Total Losses						
	Cattle	Calves	Total Value			
	Head		1,000 Dollars			
Mountain and West	868,100		1,313,100	1,052,635		
Midwest	365,000		810,000	577,800		
South and East	351,000		663,200	476,580		
U.S.	1,584,100		2,786,300	2,107,015		

Losses of Cattle and Calves by Cause and Total Value,
by Regions and United States, 1991

Region	Coyotes			Dogs		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	4,900	45,600	18,720	900	7,000	3,045
Midwest	400	5,000	2,170	500	2,200	1,125
South and East	600	9,400	3,430	1,400	7,600	3,390
U.S.	5,900	60,000	24,320	2,800	16,800	7,560
Region	Mountain Lions and Bobcats			Bears		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	1,600	4,700	2,720	900	900	975
Midwest	0	1/		0	100	45
South and East	0	0	0	0	0	0
U.S.	1,600	4,700	2,720	900	1,000	1,020

1/ Less than 100 head for the region but number is included in U.S. total.

Losses of Cattle and Calves by Cause and Total Value,
by Regions and United States, 1991

Region	Wolves			Other Predators		
	Cattle and Calves	Total Value	Cattle	Calves	Total Value	
	Head	1,000 Dollars	Head	1,000 Dollars		
Mountain and West	1,400	480	2,200	3,500	2,660	
Midwest	300	130	600	1,300	935	
South and East	<u>1</u> /		1,800	1,500	1,685	
U.S.	1,800	640	4,600	6,300	5,280	
	Digestive Problems			Respiratory Problems		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head	1,000 Dollars	Head	1,000 Dollars		
Mountain and West	115,500	266,000	171,680	263,800	456,500	338,705
Midwest	46,000	248,400	129,625	95,500	294,900	182,165
South and East	38,900	186,800	93,225	50,500	197,000	103,215
U.S.	200,400	701,200	394,530	409,800	948,400	624,085

1/ Less than 100 head for the region but number is included in U.S. total.

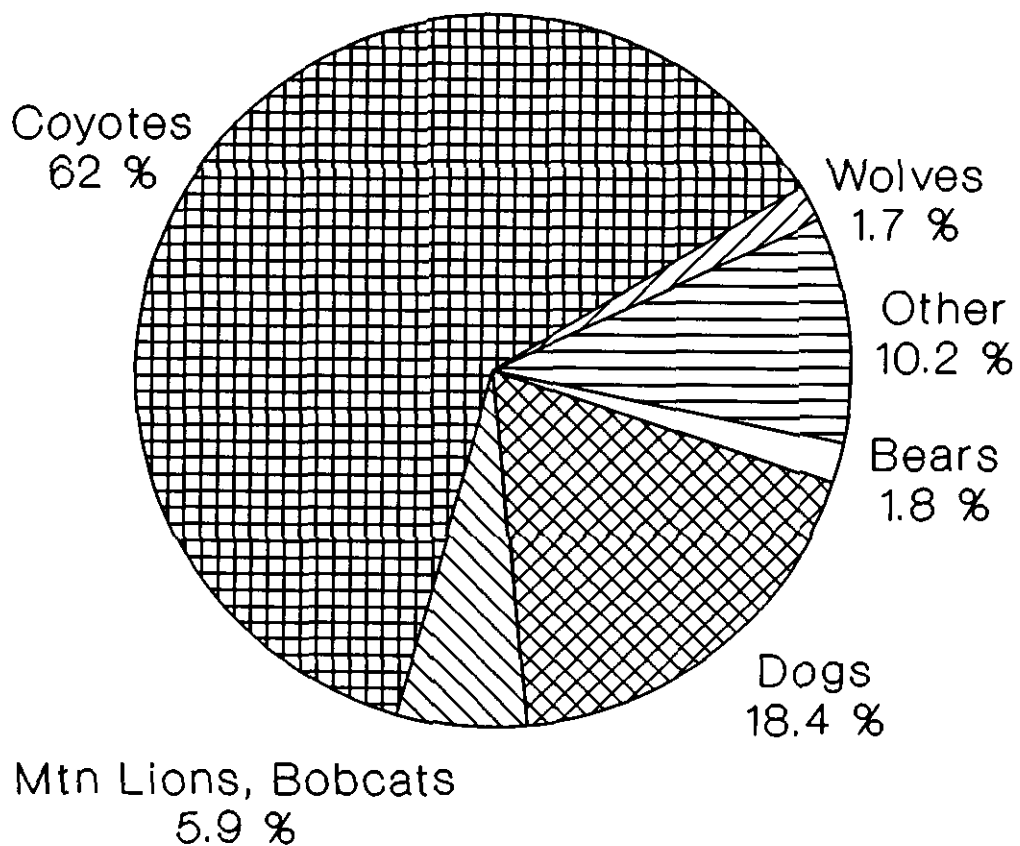
Losses of Cattle and Calves by Cause and Total Value,
by Regions and United States, 1991

Region	Calving Problems			Weather		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	96,700	165,500	124,335	67,600	105,900	83,015
Midwest	68,000	96,100	85,620	30,600	40,800	36,045
South and East	88,600	95,200	94,580	18,100	20,900	19,345
U.S.	253,300	356,800	304,535	116,300	167,600	138,405
Region	Poison			Thefts		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	30,100	10,000	24,380	10,800	11,300	11,110
Midwest	7,800	4,300	7,195	2,800	2,000	2,745
South and East	11,600	5,800	9,735	2,600	3,100	2,715
U.S.	49,500	20,100	41,310	16,200	16,400	16,570

Losses of Cattle and Calves by Cause and Total Value,
by Regions and United States, 1991

Region	Other Causes			Unknown Causes		
	Cattle	Calves	Total Value	Cattle	Calves	Total Value
	Head		1,000 Dollars	Head		1,000 Dollars
Mountain and West	95,000	42,700	81,970	178,000	192,200	188,850
Midwest	54,000	32,200	54,280	58,700	82,200	75,710
South and East	67,100	30,500	59,965	69,900	105,500	85,265
U.S.	216,100	105,400	196,215	306,600	379,900	349,825

Losses of Cattle and Calves From Predators, U.S., 1991



Reliability of Cattle and Calf Death 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 to collect death loss by cause. Large producers were sampled more heavily than small operations. Data were collected from about 77,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews. Regardless of when operators responded, they were asked to report death losses for cattle and calves for the 1991 calendar year.

Estimating Procedures: These estimates of total death losses and death loss by cause were prepared by the Livestock, Dairy and Poultry Branch, NASS, and reviewed by the 49 States involved. Total cattle and calf death losses from all causes were published in the 1991 "Meat Animals Production, Disposition, and Income" Report, released April 13, 1992. To estimate death loss by cause, cattle and calf losses from total predators was first determined. Next the total predator estimate was broken down by specific predators, and a percent of total predator losses was calculated. This procedure was repeated to determine death losses from all other causes. All published loss estimates were rounded to the nearest 100 head. Value estimates were rounded to the nearest \$5,000. State estimates of less than 100 head are not published, but are included in U.S. totals. States were combined into regions when sampling variability did not permit individual state data to be released.

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.

Terms and Definitions:

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: Beef and milk breed steers, heifers, and bulls weighing less than 500 pounds.

Regions: Mountain and Western:

Arizona	Kansas	North Dakota	Texas
California	Montana	Oklahoma	Utah
Colorado	Nebraska	Oregon	Washington
Hawaii	Nevada	South Dakota	Wyoming
Idaho	New Mexico		

Midwest:

Arkansas	Iowa	Minnesota	Ohio
Illinois	Michigan	Missouri	Wisconsin
Indiana			

Southern and Eastern:

Alabama	Louisiana	New Jersey	Tennessee
Connecticut	Maine	New York	Vermont
Delaware	Maryland	North Carolina	Virginia
Florida	Massachusetts	Pennsylvania	West Virginia
Georgia	Mississippi	Rhode Island	
Kentucky	New Hampshire	South Carolina	

Value: Cattle - A straight rounded average of the inventory value per head of cattle over 500 pounds. These data were collected nationally during the January 1, 1991 and 1992 probability Livestock Surveys.

Calves - State market year average price per 100 pounds applied to an average calf weight of 350 pounds. In some localities, the average weight may not adequately reflect local practices. For example, in areas with a large concentration of dairy breed calves, the average calf weight may be somewhat lower.

Digestive Problems: Includes bloat, scours, parasites, etc.

Respiratory Problems: Includes shipping fever, pneumonia, etc.

Poison: Includes nitrate poisoning and noxious feeds or weeds.

Mountain Lions and Bobcats: Includes cougars, pumas and lynx.

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