



Sheep and Goats

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Total Sheep and Lamb Inventory Down 5 Percent

All sheep and lamb inventory in the United States on January 1, 2003, totaled 6.35 million head, down 5 percent from 2002 and 9 percent below two years ago. The inventory has trended down since peaking at 56.2 million head in 1942.

Breeding sheep inventory declined to 4.68 million head on January 1, 2003, down 5 percent from 4.91 million head on January 1, 2002. Ewes one year old and older, at 3.79 million head, were 5 percent below last year.

Market sheep and lambs on January 1, 2003, totaled 1.67 million head, down 6 percent from January 1, 2002. Market lambs comprised 96 percent of the total. Twenty-six percent were lambs under 65 pounds, 17 percent were 65 - 84 pounds, 24 percent 85 - 105 pounds, 29 percent were over 105 pounds, and 4 percent were market sheep.

The 2002 lamb crop of 4.36 million head was down 3 percent from 2001 and established a new record low. The 2002 lambing rate was 110 per 100 ewes one year old and older on January 1, 2002, unchanged from 2001.

The number of operations with sheep during 2002 totaled 64,170, down 1 percent from 2001 and 3 percent from 2000.

Shorn wool production in the United States during 2002 was 41.2 million pounds, down 4 percent from 2001. Sheep and lambs shorn totaled 5.45 million head, down 4 percent from 2001. The average price paid for wool sold in 2002 was \$0.53 per pound for a total value of \$21.8 million dollars, up 42 percent from \$15.3 million dollars in 2001.

All goat inventory in Texas on January 1, 2003 totaled 1.20 million head, down 4 percent from 2002 and 14 percent below two years ago.

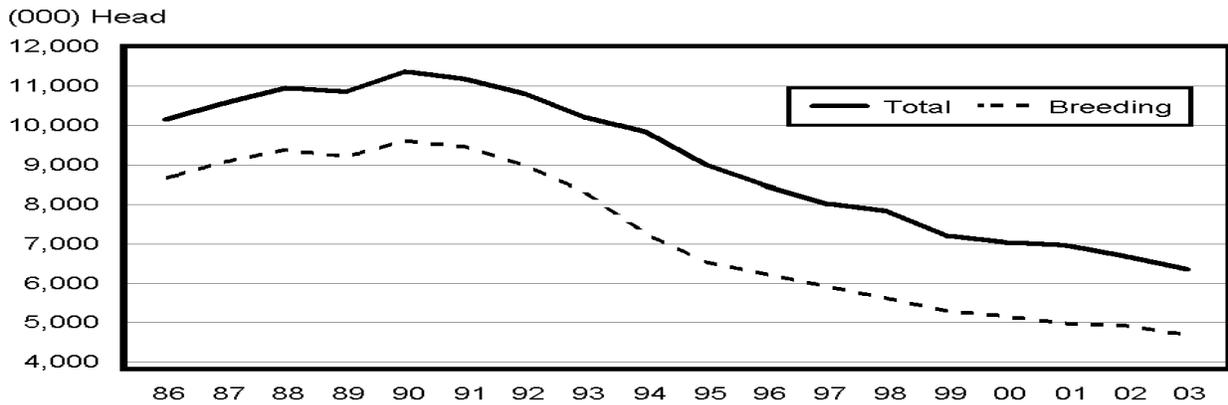
Mohair production in the three major producing states (Arizona, New Mexico, and Texas) during 2002 was 2.13 million pounds, up 8 percent from 2001. Goats and kids clipped, at 283,000 head, were down 9 percent from 2001. Average weight per clip was 7.5 pounds compared with 6.4 pounds a year earlier. Value of mohair was \$3.4 million dollars, down 20 percent from 2001.

**Sheep and Lambs: Number by Class, United States,
January 1, 2001-2003¹**

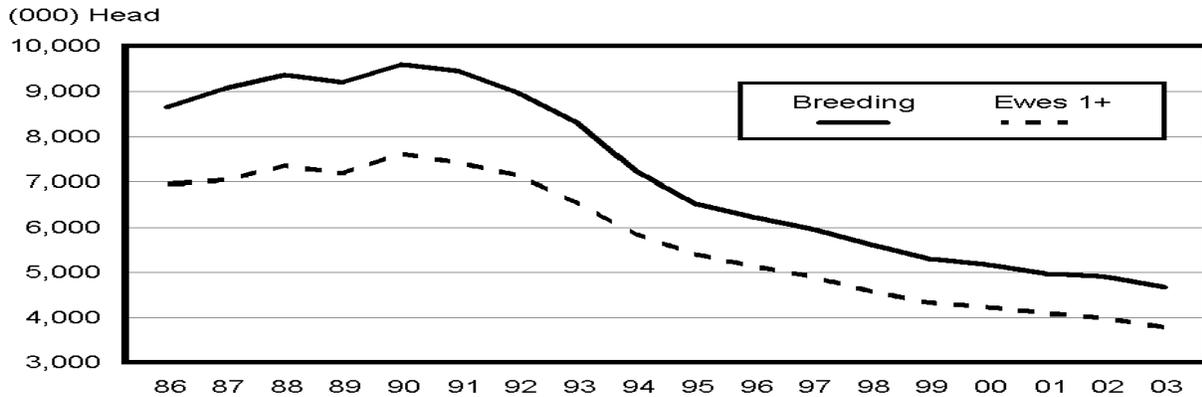
Class	2001	2002	2003	2003 as % of 2002
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Percent</i>
All Sheep and Lambs	6,965	6,685	6,350	95
Market	1,998	1,772	1,668	94
Breeding Sheep and Lambs	4,967	4,913	4,682	95
Replacement Lambs - Under One Year Old	675	734	702	96
Ewes - One Year Old and Older	4,091	3,980	3,789	95
Rams - One Year Old and Older	201	200	192	96

¹ May not add due to rounding.

**Sheep and Lambs, 1986-2003
United States**



**Total Breeding and Ewes 1+, 1986-2003
United States**

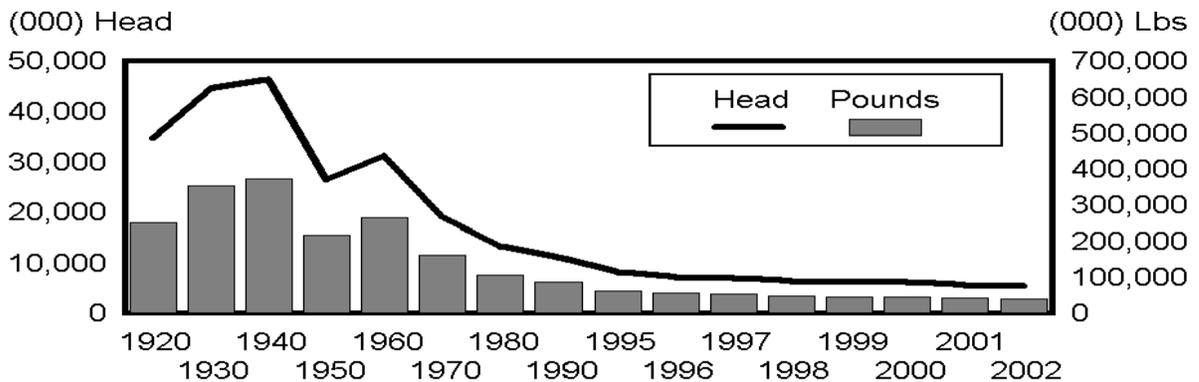


Wool: Production, Price, and Value, United States, 2000-2002

Year	Sheep Shorn ¹	Weight per Fleece	Shorn Wool Production	Price per Pound	Value
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Dollars</i>	<i>1,000 Dollars</i>
2000	6,135	7.57	46,446	0.33	15,377
2001	5,689	7.56	43,016	0.36	15,311
2002	5,453	7.55	41,150	0.53	21,792

¹ Includes shearing at commercial feeding yards.

Sheep & Lambs Shorn & Wool Production 1909-2002
United States



**All Sheep and Lambs: Number by Class,
State, and United States, January 1, 2002-2003**

State	All Sheep and Lambs			Total Breeding		Total Market	
	2002	2003	2003 as % of 2002	2002	2003	2002	2003
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
AZ	134.0	131.0	98	66.0	65.0	68.0	66.0
CA	800.0	790.0	99	370.0	355.0	430.0	435.0
CO	370.0	370.0	100	205.0	185.0	165.0	185.0
ID	260.0	260.0	100	224.0	225.0	36.0	35.0
IL	70.0	68.0	97	56.0	56.0	14.0	12.0
IN	57.0	50.0	88	48.0	45.0	9.0	5.0
IA	250.0	250.0	100	175.0	170.0	75.0	80.0
KS	100.0	90.0	90	65.0	56.0	35.0	34.0
MI	72.0	75.0	104	52.0	54.0	20.0	21.0
MN	160.0	145.0	91	115.0	105.0	45.0	40.0
MO	70.0	67.0	96	59.0	60.0	11.0	7.0
MT	335.0	300.0	90	300.0	270.0	35.0	30.0
NE	101.0	89.0	88	73.0	70.0	28.0	19.0
NV	100.0	95.0	95	85.0	82.0	15.0	13.0
N ENG ¹	47.0	47.0	100	42.0	42.0	5.0	5.0
NM	230.0	215.0	93	185.0	175.0	45.0	40.0
NY	60.0	65.0	108	52.0	53.0	8.0	12.0
ND	145.0	125.0	86	105.0	90.0	40.0	35.0
OH	140.0	150.0	107	120.0	125.0	20.0	25.0
OK	60.0	65.0	108	45.0	51.0	15.0	14.0
OR	285.0	235.0	82	171.0	157.0	114.0	78.0
PA	86.0	83.0	97	73.0	71.0	13.0	12.0
SD	400.0	380.0	95	320.0	315.0	80.0	65.0
TX	1,130.0	1,050.0	93	890.0	850.0	240.0	200.0
UT	365.0	320.0	88	320.0	290.0	45.0	30.0
VA	59.0	62.0	105	47.0	48.0	12.0	14.0
WA	56.0	51.0	91	47.0	42.0	9.0	9.0
WV	37.0	34.0	92	31.0	29.0	6.0	5.0
WI	80.0	80.0	100	65.0	66.0	15.0	14.0
WY	480.0	460.0	96	390.0	360.0	90.0	100.0
Oth Sts ²	146.0	148.0	101	117.0	120.0	29.0	28.0
US	6,685.0	6,350.0	95	4,913.0	4,682.0	1,772.0	1,668.0

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

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

**Breeding Sheep and Lambs: Number by Class, State,
and United States, January 1, 2002-2003**

State	Breeding Sheep-One Year Old & Older				Replacement Lambs		Total Breeding Sheep and Lambs	
	Ewes		Rams		2002	2003	2002	2003
	2002	2003	2002	2003				
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
AZ	57.0	56.0	3.0	3.0	6.0	6.0	66.0	65.0
CA	310.0	295.0	15.0	10.0	45.0	50.0	370.0	355.0
CO	170.0	155.0	6.0	6.0	29.0	24.0	205.0	185.0
ID	184.0	184.0	5.0	5.0	35.0	36.0	224.0	225.0
IL	44.0	42.0	4.0	3.0	8.0	11.0	56.0	56.0
IN	39.0	34.0	2.5	2.5	6.5	8.5	48.0	45.0
IA	142.0	135.0	7.0	7.0	26.0	28.0	175.0	170.0
KS	53.0	47.0	3.0	2.5	9.0	6.5	65.0	56.0
MI	40.0	41.0	2.0	2.0	10.0	11.0	52.0	54.0
MN	95.0	85.0	5.0	5.0	15.0	15.0	115.0	105.0
MO	46.0	48.0	3.0	3.0	10.0	9.0	59.0	60.0
MT	232.0	213.0	8.0	8.0	60.0	49.0	300.0	270.0
NE	58.0	56.0	3.0	3.0	12.0	11.0	73.0	70.0
NV	69.0	65.0	2.0	2.0	14.0	15.0	85.0	82.0
N ENG ¹	32.0	32.0	2.0	3.0	8.0	7.0	42.0	42.0
NM	150.0	140.0	8.0	9.0	27.0	26.0	185.0	175.0
NY	40.0	40.0	3.0	3.0	9.0	10.0	52.0	53.0
ND	85.0	77.0	3.0	3.0	17.0	10.0	105.0	90.0
OH	93.0	97.0	7.0	6.0	20.0	22.0	120.0	125.0
OK	36.0	41.0	3.0	3.0	6.0	7.0	45.0	51.0
OR	134.0	125.0	8.0	7.0	29.0	25.0	171.0	157.0
PA	55.0	55.0	6.0	5.0	12.0	11.0	73.0	71.0
SD	265.0	265.0	9.0	10.0	46.0	40.0	320.0	315.0
TX	720.0	680.0	40.0	40.0	130.0	130.0	890.0	850.0
UT	275.0	250.0	9.0	9.0	36.0	31.0	320.0	290.0
VA	37.0	38.0	3.0	3.5	7.0	6.5	47.0	48.0
WA	36.0	34.0	3.0	2.0	8.0	6.0	47.0	42.0
WV	24.0	23.0	1.0	1.0	6.0	5.0	31.0	29.0
WI	52.0	52.0	3.0	3.0	10.0	11.0	65.0	66.0
WY	320.0	295.0	11.0	10.0	59.0	55.0	390.0	360.0
Oth Sts ²	87.0	89.0	12.0	12.0	18.0	19.0	117.0	120.0
US	3,980.0	3,789.0	199.5	191.5	733.5	701.5	4,913.0	4,682.0

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

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

**Lamb Crop: Per 100 Ewes 1+, Number and Percent of Previous
Year, by State, and United States, 2001-2002**

State	Breeding Ewes 1 Year & Older Jan 1		Lambs per 100 Ewes 1+ Jan 1		Lamb Crop ¹		
	2001	2002	2001	2002	2001	2002	2002 as % of 2001
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AZ	55.0	57.0	73	70	40.0	40.0	100
CA	320.0	310.0	91	92	290.0	285.0	98
CO	165.0	170.0	115	118	190.0	200.0	105
ID	195.0	184.0	131	130	255.0	240.0	94
IL	48.0	44.0	135	134	65.0	59.0	91
IN	45.0	39.0	122	121	55.0	47.0	85
IA	144.0	142.0	153	151	220.0	215.0	98
KS	58.0	53.0	124	117	72.0	62.0	86
MI	40.0	40.0	125	133	50.0	53.0	106
MN	90.0	95.0	172	153	155.0	145.0	94
MO	47.0	46.0	117	130	55.0	60.0	109
MT	265.0	232.0	128	136	340.0	315.0	93
NE	77.0	58.0	112	138	86.0	80.0	93
NV	68.0	69.0	93	90	63.0	62.0	98
N ENG ²	34.0	32.0	115	119	39.0	38.0	97
NM	165.0	150.0	85	83	140.0	125.0	89
NY	38.0	40.0	129	128	49.0	51.0	104
ND	89.0	85.0	129	118	115.0	100.0	87
OH	86.0	93.0	145	145	125.0	135.0	108
OK	33.0	36.0	121	128	40.0	46.0	115
OR	120.0	134.0	133	112	160.0	150.0	94
PA	54.0	55.0	131	129	71.0	71.0	100
SD	265.0	265.0	115	123	305.0	325.0	107
TX	710.0	720.0	80	75	570.0	540.0	95
UT	300.0	275.0	102	100	305.0	275.0	90
VA	37.0	37.0	135	149	50.0	55.0	110
WA	35.0	36.0	166	156	58.0	56.0	97
WV	24.0	24.0	133	138	32.0	33.0	103
WI	53.0	52.0	136	140	72.0	73.0	101
WY	340.0	320.0	101	106	345.0	340.0	99
Oth Sts ³	91.0	87.0	91	97	83.0	84.0	101
US	4,091.0	3,980.0	110	110	4,495.0	4,360.0	97

¹ Lamb crop is defined as lambs born in the Eastern States and lambs docked or branded in the Western States.

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

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

**Market Sheep and Lambs: Number by Weight Group, State,
and United States, January 1, 2002**

State	Market Lambs					Market Sheep	Total Market Sheep and Lambs
	Under 65 Pounds	65 to 84 Pounds	85 to 105 Pounds	Over 105 Pounds	Total		
	<i>1,000 Head</i>						
AZ	13.0	18.0	20.0	15.0	66.0	2.0	68.0
CA	170.0	90.0	70.0	85.0	415.0	15.0	430.0
CO	2.0	5.0	17.0	140.0	164.0	1.0	165.0
ID	12.0	3.0	6.0	14.0	35.0	1.0	36.0
IL	3.0	3.0	3.0	3.0	12.0	2.0	14.0
IN	3.2	1.8	2.0	1.9	8.9	0.1	9.0
IA	8.0	9.0	22.0	35.0	74.0	1.0	75.0
KS	13.0	4.0	7.0	7.0	31.0	4.0	35.0
MI	3.0	2.0	6.0	8.0	19.0	1.0	20.0
MN	11.0	9.0	12.0	12.0	44.0	1.0	45.0
MO	2.0	2.5	3.0	3.0	10.5	0.5	11.0
MT	2.0	7.0	18.0	7.0	34.0	1.0	35.0
NE	4.0	3.0	10.0	10.0	27.0	1.0	28.0
NV		1.0	5.0	8.0	14.0	1.0	15.0
N ENG ¹	1.7	1.1	0.6	0.1	3.5	1.5	5.0
NM	9.0	14.0	13.0	6.0	42.0	3.0	45.0
NY	3.0	2.0	1.0	1.0	7.0	1.0	8.0
ND	3.5	8.5	16.0	11.0	39.0	1.0	40.0
OH	8.0	4.0	6.0	2.0	20.0		20.0
OK	8.0	2.0	2.0	2.0	14.0	1.0	15.0
OR	20.0	16.0	41.0	34.0	111.0	3.0	114.0
PA	5.0	2.0	3.0	1.0	11.0	2.0	13.0
SD	7.0	11.0	25.0	34.0	77.0	3.0	80.0
TX	100.0	50.0	45.0	35.0	230.0	10.0	240.0
UT	1.0	3.0	15.0	23.0	42.0	3.0	45.0
VA	4.0	3.5	2.5	1.5	11.5	0.5	12.0
WA	2.0	2.5	1.0	3.0	8.5	0.5	9.0
WV	2.5	1.0	1.5	1.0	6.0		6.0
WI	2.0	4.0	4.0	3.5	13.5	1.5	15.0
WY	2.0	12.0	34.0	39.0	87.0	3.0	90.0
Oth Sts ²	11.0	5.0	4.0	3.0	23.0	6.0	29.0
US	435.9	299.9	415.6	549.0	1,700.4	71.6	1,772.0

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

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

**Market Sheep and Lambs: Number by Weight Group, State,
and United States, January 1, 2003**

State	Market Lambs					Market Sheep	Total Market Sheep and Lambs
	Under 65 Pounds	65 to 84 Pounds	85 to 105 Pounds	Over 105 Pounds	Total		
	<i>1,000 Head</i>						
AZ	12.0	18.0	20.0	14.0	64.0	2.0	66.0
CA	170.0	100.0	95.0	55.0	420.0	15.0	435.0
CO	2.0	5.0	30.0	147.0	184.0	1.0	185.0
ID	11.0	2.0	6.0	14.0	33.0	2.0	35.0
IL	5.0	2.0	2.0	2.0	11.0	1.0	12.0
IN	1.1	0.9	1.8	0.9	4.7	0.3	5.0
IA	9.0	7.0	20.0	41.0	77.0	3.0	80.0
KS	14.5	3.5	6.5	6.5	31.0	3.0	34.0
MI	3.0	3.0	5.5	8.5	20.0	1.0	21.0
MN	9.0	8.0	11.0	11.0	39.0	1.0	40.0
MO	2.0	1.0	2.0	1.5	6.5	0.5	7.0
MT	2.0	6.0	17.0	4.0	29.0	1.0	30.0
NE	3.0	2.0	4.0	9.0	18.0	1.0	19.0
NV		1.0	2.0	9.0	12.0	1.0	13.0
N ENG ¹	1.5	1.0	0.7	0.3	3.5	1.5	5.0
NM	10.0	12.0	12.0	3.0	37.0	3.0	40.0
NY	6.0	3.0	1.0	1.0	11.0	1.0	12.0
ND	2.5	5.5	13.0	13.0	34.0	1.0	35.0
OH	10.0	7.0	5.0	2.0	24.0	1.0	25.0
OK	6.0	3.0	2.0	2.0	13.0	1.0	14.0
OR	12.0	14.0	29.0	21.0	76.0	2.0	78.0
PA	5.0	2.0	2.0	1.0	10.0	2.0	12.0
SD	4.0	7.0	17.0	33.0	61.0	4.0	65.0
TX	105.0	40.0	30.0	15.0	190.0	10.0	200.0
UT	0.2	0.3	7.5	21.0	29.0	1.0	30.0
VA	4.5	3.5	3.5	1.5	13.0	1.0	14.0
WA	1.0	2.5	2.0	3.0	8.5	0.5	9.0
WV	2.0	0.5	1.0	0.5	4.0	1.0	5.0
WI	2.0	4.0	4.0	3.0	13.0	1.0	14.0
WY	2.0	17.0	43.0	36.0	98.0	2.0	100.0
Oth Sts ²	12.0	4.0	3.0	2.0	21.0	7.0	28.0
US	429.3	285.7	398.5	481.7	1,595.2	72.8	1,668.0

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

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

**Sheep and Lambs: Number of Operations by State
and United States, 2001-2002**

State	Operations with Sheep	
	2001 <i>Number</i>	2002 <i>Number</i>
AZ	270	270
CA	2,900	2,800
CO	2,000	1,900
ID	1,000	1,000
IL	2,300	2,200
IN	2,100	2,000
IA	4,700	4,600
KS	1,500	1,400
MI	1,800	1,900
MN	2,400	2,300
MO	1,700	1,600
MT	1,800	1,700
NE	1,600	1,500
NV	300	300
N ENG ¹	2,000	2,000
NM	850	800
NY	1,500	1,500
ND	1,100	1,000
OH	3,600	3,500
OK	1,400	1,500
OR	3,000	3,100
PA	2,500	2,600
SD	2,300	2,300
TX	6,800	6,800
UT	1,500	1,400
VA	1,400	1,500
WA	1,200	1,200
WV	1,000	1,100
WI	2,200	2,300
WY	900	800
Oth Sts ²	5,500	5,300
US	65,120	64,170

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

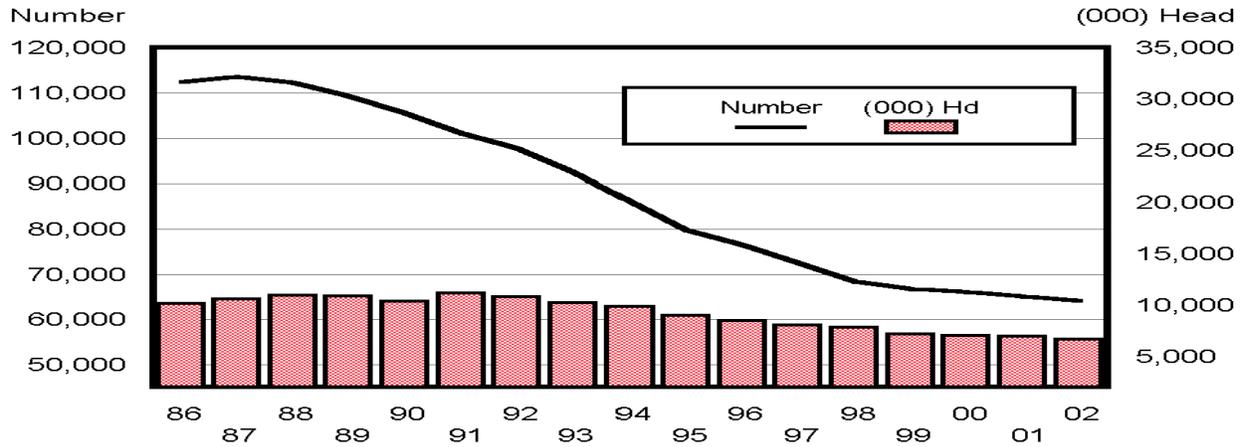
² Other States include AL, AK, AR, DE, FL, GA, HI, KY, LA, MD, MS, NJ, NC, SC, and TN.

Breeding Sheep: Survey Percent by Size Group, United States, 2002-2003 ¹

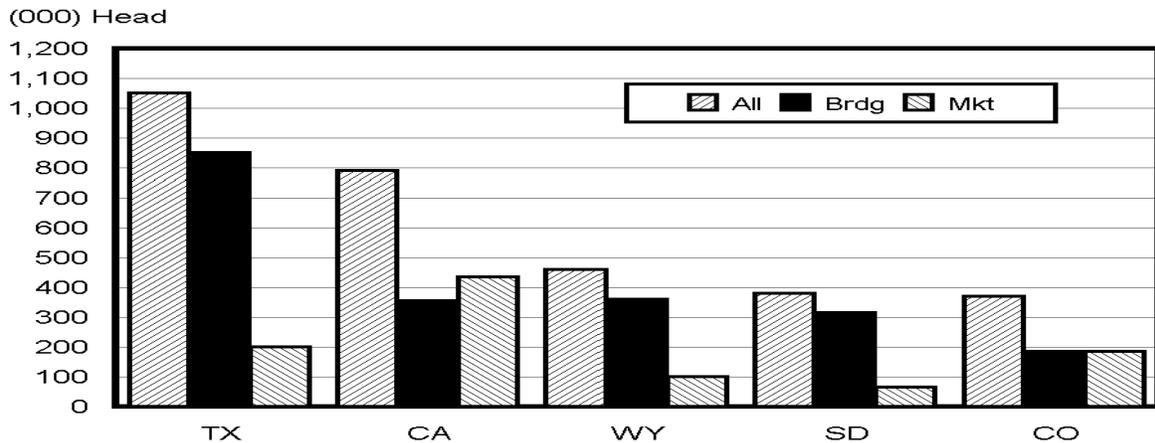
Item	1-99 Head		100-499 Head		500-4999 Head		5000+ Head	
	2002	2003	2002	2003	2002	2003	2002	2003
	<i>Percent</i>							
Operations	91.1	91.8	7.3	6.7	1.5	1.4	0.1	0.1
Inventory	30.1	29.9	23.5	23.8	32.4	33.1	14.0	13.2

¹ Percents reflect distributions from annual survey.

**Number of Operations & Total Inventory, 1986-2002
United States**



**Total Inventory, January 1, 2003
Top Five Sheep & Lamb Producing States**



**Wool: Number of Sheep and Lambs Shorn, Weight per Fleece,
and Production by State, and United States, 2001-2002**

State	Sheep Shorn		Weight per Fleece		Production	
	2001	2002	2001	2002	2001	2002
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
AZ	120.0	118.0	6.2	6.0	740	710
CA	510.0	520.0	7.4	7.0	3,750	3,650
CO	430.0	460.0	7.2	6.7	3,080	3,070
ID	230.0	217.0	9.3	9.7	2,140	2,115
IL	70.0	65.0	6.6	6.6	460	430
IN	44.0	42.0	6.6	6.7	290	280
IA	245.0	220.0	5.8	5.9	1,420	1,300
KS	81.0	73.0	7.1	7.2	575	525
MI	77.0	76.0	6.2	6.1	480	460
MN	165.0	150.0	6.6	6.8	1,085	1,020
MO	56.0	59.0	7.0	6.7	390	395
MT	318.0	279.0	9.4	9.6	2,978	2,691
NE	85.0	80.0	7.3	7.6	620	610
NV	71.0	65.0	8.7	9.1	620	590
N ENG ¹	40.0	40.0	7.4	7.1	295	283
NM	235.0	215.0	8.0	8.1	1,880	1,750
NY	47.0	47.0	6.8	6.9	320	325
ND	101.0	99.0	8.9	8.3	900	825
OH	140.0	155.0	6.9	7.1	960	1,100
OK	52.0	55.0	6.0	6.4	310	350
OR	240.0	200.0	6.3	6.3	1,510	1,250
PA	64.0	63.0	6.9	6.8	440	430
SD	360.0	375.0	8.2	8.3	2,965	3,105
TX	870.0	790.0	6.9	7.0	6,003	5,530
UT	295.0	280.0	9.5	9.5	2,800	2,650
VA	43.0	40.0	6.5	6.4	280	255
WA	48.0	44.0	8.2	8.1	395	357
WV	30.0	28.0	6.0	6.2	180	174
WI	70.0	67.0	7.1	7.2	500	480
WY	440.0	420.0	9.0	8.9	3,950	3,750
Oth Sts ²	112.0	111.0	6.3	6.2	700	690
US	5,689.0	5,453.0	7.6	7.5	43,016	41,150

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

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

Wool: Price and Value by State and United States, 2001-2002

State	Price per Pound		Value ¹	
	2001	2002	2001	2002
	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
AZ	0.30	0.32	222	227
CA	0.35	0.45	1,313	1,643
CO	0.33	0.57	1,016	1,750
ID	0.22	0.67	471	1,417
IL	0.09	0.23	41	99
IN	0.15	0.16	44	45
IA	0.12	0.18	170	234
KS	0.20	0.30	115	158
MI	0.12	0.14	58	64
MN	0.11	0.20	119	204
MO	0.09	0.14	35	55
MT	0.45	0.76	1,340	2,045
NE	0.20	0.30	124	183
NV	0.44	0.85	273	502
N ENG ²	0.40	0.40	118	113
NM	0.70	0.80	1,316	1,400
NY	0.17	0.20	54	65
ND	0.30	0.60	270	495
OH	0.14	0.15	134	165
OK	0.20	0.25	62	88
OR	0.27	0.38	408	475
PA	0.25	0.25	110	108
SD	0.31	0.45	919	1,397
TX	0.52	0.68	3,122	3,760
UT	0.29	0.60	812	1,590
VA	0.20	0.26	56	66
WA	0.45	0.47	178	168
WV	0.21	0.22	38	38
WI	0.10	0.15	50	72
WY	0.51	0.73	2,015	2,738
Oth Sts ³	0.44	0.62	308	428
US	0.36	0.53	15,311	21,792

¹ Production multiplied by marketing year average price. U.S. value is summation of State values.

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

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

Goats: Inventory, Selected States, and Total, January 1, 2002-2003

State	Angora		All Goats	
	2002	2003	2002	2003
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
AZ	32	30		
NM	20	15		
TX	250	260	1,250	1,200
3 Sts	302	305	1,250	1,200

**Mohair: Production, Price, and Value by Selected States
and 3-State Total, 2001-2002**

State	Goats Clipped		Average Clip per Goat		Production		Price per Pound		Value ¹	
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
AZ	30	28	4.8	5.0	144	140	1.50	1.40	216	196
NM	20	15	5.5	6.0	110	90	1.90	1.40	209	126
TX	260	240	6.6	7.9	1,716	1,896	2.20	1.60	3,775	3,034
3 Sts	310	283	6.4	7.5	1,970	2,126	2.13	1.58	4,200	3,356

¹ Production multiplied by marketing year average price for individual States. Three-State value is summation of State values.

Reliability of January 1 Sheep and Goat Estimates

Survey Procedures: A random sample of U.S. producers was surveyed to provide data for these estimates. Survey procedures ensured that all sheep and goat producers, regardless of size, had a chance to be included in the survey. Large producers were sampled more heavily than small operations. About 14,000 operators were contacted during the first half of January by mail, telephone and face-to-face personal interview and 84 percent of the reports were usable. Regardless of when operators responded, they were asked to report inventories as of January 1.

Estimation Procedures: These sheep and goat estimates were prepared by the Agricultural Statistics Board. National and State survey data were reviewed for reasonableness and with estimates from past years. A projected balance sheet for calendar year 2002 was also used. The balance sheet begins with the previous inventory estimate, adds estimates of births and imports, and subtracts estimates of slaughter, exports and deaths. This indicated ending inventory level is compared with the Agricultural Statistics Board estimate for reasonableness.

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 will also be reviewed after data from the Department of Agriculture's five-year Census of Agriculture are available. No revisions will be made after that date.

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

To assist users in evaluating reliability of the estimates in this report, the "**Root Mean Square Error**" is shown for selected sheep items in the table below. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between the first and latest estimates. The "Root Mean Square Error" for sheep and lamb inventory estimates over the past 10 years is 1.1 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 6.35 million head by more than 1.1 percent. Chances are 9 out of 10 that the difference will not exceed 2.0 percent.

The "Root Mean Square Error" for sheep shorn over the past 10 years is 0.6 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 5.5 million head by more than 0.6 percent. Chances are 9 out of 10 that the difference will not exceed 1.0 percent.

Also shown in the table is a 10-year record showing the range between the first inventory estimate and the latest estimate. Using estimates for All Sheep and Lambs as an example, changes between the first inventory estimate and the latest estimate during the past 10 years have averaged 60,000 head, ranging from 0 to 209,000 head. The initial inventory estimate of All Sheep and Lambs has been below the latest estimate 8 times and above the latest estimate 1 times in the last 10 years.

For Sheep and Lambs Shorn, changes between the first inventory estimate and the latest estimate during the past 10 years have averaged 32,000 head, ranging from 0 to 72,000 head. The initial inventory estimate of Sheep and Lambs Shorn has been below the latest estimate 5 times and above 4 times in the last 10 years.

Reliability of U.S. January 1 Sheep and Lamb Estimates ¹

Item	Root Mean Square Error	90% Confidence Level		Difference Between First and Final Estimates ¹			Number of Years	
		Percent	(000) Head	Average	Smallest	Largest	First Above Final	First Below Final
	<i>Percent</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Number</i>	<i>Number</i>
All Sheep & Lambs	1.1	2.0	127.0	60	0	209	1	8
Breeding Sheep	0.7	1.3	60.9	29	0	78	2	7
Lamb Crop	1.0	1.8	78.5	34	0	112	2	6
Sheep Shorn	0.6	1.0	54.5	32	0	72	4	5
	<i>Percent</i>	<i>Percent</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Number</i>	<i>Number</i>
Wool Prod	0.4	0.8	329.2	183	0	510	5	4

¹ Based on data for the past 10 years.

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The next "Sheep and Goats" report will be released at 3 p.m. ET on July 18, 2003.

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