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# Sheep and Goats



**National  
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**United States  
Department of  
Agriculture**

Agricultural  
Statistics  
Board

Washington, D.C.

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RELEASED: February 2, 1990  
3:00 P.M. E.T.

**ALL SHEEP AND LAMB INVENTORY** in the United States on January 1, 1990 totaled 11.4 million head, according to the Agricultural Statistics Board, up 5 percent from a year earlier. The value of sheep and lambs on hand totaled \$904 million, up 1 percent from a year earlier. The average value per head was \$79.40, down 4 percent from a year earlier.

**STOCK SHEEP INVENTORY** increased to 9.65 million head on January 1, 1990, up 5 percent from 9.21 million last year. Ewes one year old and older, at 7.65 million head, was up 6 percent. Ewe lamb inventory totaled 1.34 million head, nearly the same as a year earlier.

**SHEEP AND LAMBS ON FEED** January 1, 1990 for the slaughter market in the 25 major feeding States totaled 1.72 million head, up 4 percent from a year earlier.

**1989 LAMB CROP** of 7.74 million head increased 7 percent from the 1988 lamb crop. The 1989 lambing rate was 108 per 100 ewes one year old and older on hand January 1, 1989, compared with 98 in 1988.

**GOAT NUMBERS** in Texas totaled 1.90 million on January 1, 1990, up 3 percent from a year earlier. Total value of \$93.1 million was down 7 percent from a year earlier. Angora goat inventory on January 1, 1990, in the five major producing states totaled 1.90 million head. Value of the Angora goat inventory totaled \$94.8 million.

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\* **NOTICE** \*  
\* \*  
\* This report contains 1989-90 inventory estimates relating to \*  
\* final historical estimates for 1984-88 as published January 30, \*  
\* 1990, following review of 1987 Census of Agriculture data com- \*  
\* piled by the Department of Commerce. \*  
\* \*  
\* Requests for a subscription order form covering all available \*  
\* reports should be directed to ERS/NASS, P.O. Box 1608, \*  
\* Rockville, MD. 20849-1608 or call 800-999-6779. \*  
\* \*  
\* The next issue of this report will be published \*  
\* **February 1991.** \*  
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## RELIABILITY AND ESTIMATING PROCEDURES

Primary data used in making sheep and lamb estimates in this report were obtained from a sample of agricultural producers across the U.S. using probability surveys. Information was collected during the first half of January by mail, telephone and personal interview. These surveys included information from a list sample of 58,100 agricultural producers plus *additional information from operators of about 7,500 small land area tracts.* Since all operations with sheep were not included in the sample, survey estimates are subject to sampling variability. This variability, as measured by the relative standard error, was 5.0 percent of the total sheep and lambs at the national level. This means that chances are approximately 95 out of 100 that the survey estimate will be within 10 percent of the complete coverage value if the same procedures were used to survey all producers. The relative standard error for stock sheep, classes of stock sheep, and lamb crop were somewhat larger ranging from 4.1 to 7.2 percent.

Survey estimates are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

In setting the inventory estimates, the Agricultural Statistics Board used survey estimates of inventory numbers, births, and deaths. These survey estimates were combined with reliable check data from other sources on slaughter, imports and exports to construct a national balance sheet (on page 3), which provides an additional check on survey inventory estimates.

SHEEP: NUMBER BY CLASSES, VALUE PER HEAD, AND TOTAL VALUE  
UNITED STATES, JANUARY 1, 1988-90

CLASS	1988	1989	1990	1989/90
	1,000 HEAD			PERCENT
ALL SHEEP AND LAMBS 1/ ON FEED	10,945	10,858	11,368	105
STOCK SHEEP	1,581	1,646	1,717	104
LAMBS	9,364	9,212	9,651	105
EWES	1,323	1,344	1,338	100
WETHERS AND RAMS	352	346	309	89
ONE YEAR OLD AND OLDER				
EWES	7,348	7,187	7,649	106
WETHERS AND RAMS	342	334	356	107
NEW CROP LAMBS 2/	854	820	773	94
ALL SHEEP AND LAMBS VALUE PER HEAD 3/	90.00	82.40	79.40	96
ALL SHEEP AND LAMBS TOTAL VALUE	984,961	894,912	903,598	101

1/ NEW CROP LAMBS ARE NOT INCLUDED IN ALL SHEEP AND LAMBS INVENTORY ESTIMATE IN THIS REPORT. 2/ INCLUDES ALL LAMBS BORN AFTER SEP 30 PREVIOUS YEAR THAT ARE ON HAND JAN 1. 3/ BASED ON REPORTERS' ESTIMATES OF AVERAGE PRICE PER HEAD IN THEIR LOCALITIES.

UNITED STATES BALANCE SHEET 1/: ALL SHEEP AND LAMBS 1987-89

ITEM	1987	1988	1989
	1,000 HEAD		
JAN 1 INVENTORY	10,572	10,945	10,858
LAMB CROP AND IMPORTS	7,316	7,232	7,891
TOTAL SUPPLY	17,888	18,177	18,749
SLAUGHTER	5,312	5,392	5,572
DEATHS AND EXPORTS	1,381	1,596	1,514
TOTAL DISAPPEARANCE	6,693	6,988	7,086
RESIDUAL	250	331	295
JAN 1 INVENTORY (END OF YEAR)	10,945	10,858	11,368

1/ FINAL 1988 AND PRELIMINARY 1989 ESTIMATES WILL BE PUBLISHED IN MEAT ANIMALS, PRODUCTION, DISPOSITION, AND INCOME, APRIL 1990.

LAMB CROP, 1988-89

STATE	BREEDING EWES 1 YEAR: AND OLDER JAN 1:		LAMB CROP PER 100: EWES 1+ JAN 1:		LAMB CROP 1/ 1,000 HEAD		1989 AS % OF 1988
	1988	1989	1988	1989	1988	1989	PERCENT
	1,000 HEAD		NUMBER		1,000 HEAD		
ALAS	1.2	1.4	58	50	0.7	0.7	100
ARIZ	180.0	185.0	69	70	125.0	130.0	104
CALIF	685.0	632.0	86	87	590.0	550.0	93
COLO	320.0	355.0	113	113	360.0	400.0	111
CONN	5.8	5.8	145	148	8.4	8.6	102
IDAHO	247.0	220.0	113	123	280.0	270.0	96
ILL	94.0	98.0	122	163	115.0	160.0	139
IND	57.0	68.0	132	132	75.0	90.0	120
IOWA	291.0	293.0	127	131	370.0	385.0	104
KANS	142.0	130.0	99	112	140.0	145.0	104
KY	27.0	25.0	100	124	27.0	31.0	115
LA	12.0	12.0	100	92	12.0	11.0	92
MAINE	12.0	11.0	117	145	14.0	16.0	114
MD	22.0	23.0	100	100	22.0	23.0	105
MASS	11.0	9.7	118	134	13.0	13.0	100
MICH	67.0	72.0	134	132	90.0	95.0	106
MINN	143.0	170.0	140	132	200.0	225.0	113
MO	76.0	87.0	132	126	100.0	110.0	110
MONT	430.0	434.0	107	115	460.0	500.0	109
NEBR	105.0	97.0	105	129	110.0	125.0	114
NEV	78.0	70.0	95	120	74.0	84.0	114
N H	8.0	7.6	125	158	10.0	12.0	120
N J	9.0	9.0	122	111	11.0	10.0	91
N MEX	367.0	384.0	82	76	300.0	290.0	97
N Y	48.0	57.0	127	118	61.0	67.0	110
N C	10.0	9.5	100	116	10.0	11.0	110
N DAK	114.0	111.0	124	141	141.0	156.0	111
OHIO	170.0	165.0	115	121	195.0	200.0	103
OKLA	78.0	94.0	103	96	80.0	90.0	113
OREG	320.0	280.0	100	111	320.0	310.0	97
PA	76.0	91.0	112	108	85.0	98.0	115
S DAK	453.0	430.0	110	120	500.0	515.0	103
TENN	8.9	8.1	79	120	7.0	9.7	139
TEX	1,370.0	1,250.0	69	92	950.0	1,150.0	121
UTAH	390.0	405.0	97	106	380.0	430.0	113
VT	14.0	17.0	107	147	15.0	25.0	167
VA	92.0	95.0	128	137	118.0	130.0	110
WASH	54.0	51.0	120	147	65.0	75.0	115
W VA	67.0	62.0	107	111	72.0	69.0	96
WIS	63.0	66.0	135	152	85.0	100.0	118
WYO	590.0	555.0	97	103	570.0	570.0	100
9 OTHER STATES 2:	40.0	41.0	113	120	45.0	49.0	109
U S	7,347.9	7,187.1	98	108	7,206.1	7,739.0	107

1/ LAMB CROP DEFINED AS LAMBS BORN IN THE NATIVE STATES AND LAMBS DOCKED OR BRANDED IN THE WESTERN STATES. 2/ OTHER STATES INCLUDES ALABAMA, ARKANSAS, DELAWARE, FLORIDA, GEORGIA, HAWAII, MISSISSIPPI, RHODE ISLAND, AND SOUTH CAROLINA.

ALL SHEEP AND LAMBS: NUMBER, VALUE PER HEAD, AND TOTAL VALUE BY STATES,  
JANUARY 1, 1989-90

STATE	ALL SHEEP AND LAMBS 1/			VALUE PER HEAD		TOTAL	
	1989	1990	1990/1989:	1989	1990	1989	1990
	1,000 HEAD		PERCENT	DOLLARS		1,000 DOLLARS	
ALAS	2.7	2.5	93	75.50	70.50	204	176
ARIZ	284.0	262.0	92	90.00	89.00	25,560	23,318
CALIF	940.0	955.0	102	87.00	86.50	81,780	82,608
COLO	825.0	840.0	102	90.00	84.00	74,250	70,560
CONN	8.8	9.9	113	106.00	107.00	933	1,059
IDAHO	287.0	296.0	103	83.00	92.00	23,821	27,232
ILL	140.0	159.0	114	89.00	93.50	12,460	14,867
IND	95.0	90.0	95	99.50	87.50	9,453	7,875
IOWA	420.0	490.0	117	83.00	79.50	34,860	38,955
KANS	257.0	287.0	112	72.00	63.00	18,504	18,081
KY	32.0	35.0	109	95.00	87.50	3,040	3,063
LA	17.0	17.0	100	74.50	75.00	1,267	1,275
MAINE	15.0	20.0	133	95.00	91.50	1,425	1,830
MD	35.0	32.0	91	107.00	96.00	3,745	3,072
MASS	14.0	17.0	121	115.00	113.00	1,610	1,921
MICH	115.0	121.0	105	78.50	76.50	9,028	9,257
MINN	290.0	285.0	98	78.00	79.00	22,620	22,515
MO	125.0	138.0	110	73.00	77.50	9,125	10,695
MONT	600.0	663.0	111	89.00	85.50	53,400	56,687
NEBR	169.0	177.0	105	80.00	72.50	13,520	12,833
NEV	87.0	101.0	116	86.00	92.00	7,482	9,292
N H	11.0	13.0	118	109.00	108.00	1,199	1,404
N J	15.0	14.0	93	113.00	115.00	1,695	1,610
N MEX	516.0	495.0	96	75.00	78.00	38,700	38,610
N Y	89.0	92.0	103	112.00	96.50	9,968	8,878
N C	13.0	15.0	115	85.00	84.00	1,105	1,260
N DAK	164.0	186.0	113	89.50	83.50	14,678	15,531
OHIO	246.0	270.0	110	95.00	84.00	23,370	22,680
OKLA	136.0	129.0	95	84.50	72.00	11,492	9,288
OREG	475.0	455.0	96	67.50	66.50	32,063	30,258
PA	134.0	134.0	100	75.50	79.50	10,117	10,653
S DAK	590.0	590.0	100	85.00	84.00	50,150	49,560
TENN	10.0	12.0	120	78.50	94.00	785	1,128
TEX	1,870.0	2,090.0	112	73.50	64.50	137,445	134,805
UTAH	503.0	509.0	101	84.50	94.00	42,504	47,846
VT	25.0	30.0	120	91.50	91.50	2,288	2,745
VA	158.0	165.0	104	74.50	72.50	11,771	11,963
WASH	74.0	83.0	112	76.50	85.00	5,661	7,055
W VA	82.0	77.0	94	81.00	72.00	6,642	5,544
WIS	94.0	105.0	112	88.00	83.50	8,272	8,768
WYO	837.0	840.0	100	87.00	85.50	72,819	71,820
9 OTHER:							
STS 2/:	57.0	67.0	118	72.00	75.00	4,104	5,025
U S	10,857.5	11,368.4	105	82.40	79.40	894,912	903,598

1/ NEW CROP LAMBS ARE NOT INCLUDED IN THE INVENTORY ESTIMATES OF ALL SHEEP AND LAMBS. 2/ OTHER STATES INCLUDES ALABAMA, ARKANSAS, DELAWARE, FLORIDA, GEORGIA, HAWAII, MISSISSIPPI, RHODE ISLAND, AND SOUTH CAROLINA.

SHEEP AND LAMBS: NUMBER BY CLASSES, BY STATES,  
JANUARY 1, 1988-89

STATE	STOCK SHEEP-ONE YEAR OLD AND OLDER :				STOCK SHEEP-LAMBS			
	EWES		:RAMS AND WETHERS:		EWES		:RAMS AND WETHERS	
	1989	1990	1989	1990	1989	1990	1989	1990
	1,000 HEAD							
ALAS	1.4	1.5	0.7	0.7	0.4	0.2	0.2	0.1
ARIZ	185.0	170.0	9.0	8.0	26.0	27.0	19.0	15.0
CALIF	632.0	620.0	24.0	26.0	100.0	97.0	24.0	32.0
COLO	355.0	375.0	13.0	13.0	64.0	55.0	13.0	12.0
CONN	5.8	7.0	0.6	0.6	1.6	1.6	0.8	0.7
IDAHO	220.0	223.0	6.0	6.0	46.0	46.0	5.0	5.0
ILL	98.0	106.0	5.0	6.0	19.0	22.0	4.0	4.0
IND	68.0	67.0	5.0	4.0	11.0	9.0	2.0	2.0
IOWA	293.0	332.0	10.0	12.0	42.0	46.0	5.0	10.0
KANS	130.0	155.0	8.0	9.0	16.0	16.0	5.0	5.0
KY	25.0	28.0	1.5	1.8	4.0	3.7	1.5	1.5
LA	12.0	12.2	1.8	1.5	2.1	2.3	1.1	1.0
MAINE	11.0	14.0	0.9	1.1	1.9	2.7	1.2	2.2
MD	23.0	21.2	3.0	3.8	7.0	5.1	2.0	1.9
MASS	9.7	12.2	0.9	1.1	2.3	2.6	1.1	1.1
MICH	72.0	75.0	4.0	4.0	10.0	11.0	3.0	2.0
MINN	170.0	165.0	8.0	8.0	40.0	31.0	7.0	6.0
MO	87.0	100.0	5.0	5.0	14.0	12.0	3.0	3.0
MONT	434.0	490.0	15.0	17.0	111.0	124.0	10.0	9.0
NEBR	97.0	111.0	4.0	5.0	15.0	15.0	3.0	4.0
NEV	70.0	80.0	2.0	3.0	12.0	13.0	1.0	1.0
N H	7.6	9.1	0.9	0.9	1.7	2.1	0.8	0.9
N J	9.0	9.5	1.3	1.0	2.2	2.0	2.5	1.5
N MEX	384.0	373.0	21.0	21.0	70.0	66.0	10.0	13.0
N Y	57.0	60.0	2.0	3.0	18.0	18.0	12.0	11.0
N C	9.5	10.5	0.9	1.0	2.0	2.5	0.6	1.0
N DAK	111.0	120.0	5.0	5.0	22.0	23.0	5.0	4.0
OHIO	165.0	166.0	7.0	8.0	24.0	27.0	4.0	4.0
OKLA	94.0	90.0	5.0	5.0	14.0	13.0	7.0	7.0
OREG	280.0	279.0	14.0	14.0	42.0	40.0	14.0	12.0
PA	91.0	95.0	10.0	10.0	22.0	20.0	11.0	9.0
S DAK	430.0	441.0	12.0	14.0	70.0	74.0	8.0	6.0
TENN	8.1	9.2	0.8	0.8	0.8	1.4	0.3	0.6
TEX	1,250.0	1,490.0	70.0	80.0	270.0	250.0	110.0	70.0
UTAH	405.0	407.0	12.0	13.0	57.0	58.0	6.0	7.0
VT	17.0	19.3	1.8	1.5	3.8	5.5	2.4	3.7
VA	95.0	100.0	5.0	5.0	12.0	13.0	3.0	4.0
WASH	51.0	58.0	4.0	4.0	14.5	15.5	4.5	5.5
W VA	62.0	59.0	3.0	3.0	10.0	9.5	7.0	5.5
WIS	66.0	71.0	4.0	4.0	12.0	13.0	3.0	2.0
WYO	555.0	571.0	23.0	20.0	125.0	133.0	17.0	16.0
9 OTHER STATES 1:	41.0	46.0	4.0	5.0	6.0	9.0	6.0	7.0
U S	7,187.1	7,648.7	334.1	355.8	1,344.3	1,337.7	346.0	309.2

1/ OTHER STATES INCLUDES ALABAMA, ARKANSAS, DELAWARE, FLORIDA, GEORGIA, HAWAII MISSISSIPPI, RHODE ISLAND, AND SOUTH CAROLINA.

SHEEP AND LAMBS: NUMBER BY CLASSES, BY STATES, JANUARY 1, 1988-89  
OPERATIONS WITH SHEEP, 1988-89 1/

STATE	STOCK SHEEP AND LAMBS - TOTAL			SHEEP ON FEED 1/			OPERATIONS WITH SHEEP 2/	
	1989	1990	1990/89:	1989	1990	1990/89:	1988	1989
	1,000 HEAD		PERCENT	1,000 HEAD		PERCENT	NUMBER	
ALAS	2.7	2.5	93				40	40
ARIZ	239.0	220.0	92	45.0	42.0	93	500	450
CALIF	780.0	775.0	99	160.0	180.0	113	6,500	6,300
COLO	445.0	455.0	102	380.0	385.0	101	2,400	2,200
CONN	8.8	9.9	113				450	450
IDAHO	277.0	280.0	101	10.0	16.0	160	2,500	2,000
ILL	126.0	138.0	110	14.0	21.0	150	5,000	5,400
IND	86.0	82.0	95	9.0	8.0	89	3,800	3,800
IOWA	350.0	400.0	114	70.0	90.0	129	11,000	10,000
KANS	159.0	185.0	116	98.0	102.0	104	2,500	2,600
KY	32.0	35.0	109				1,200	1,200
LA	17.0	17.0	100				1,200	1,300
MAINE	15.0	20.0	133				700	700
MD	35.0	32.0	91				1,100	1,200
MASS	14.0	17.0	121				750	800
MICH	89.0	92.0	103	26.0	29.0	112	2,500	2,600
MINN	225.0	210.0	93	65.0	75.0	115	4,800	5,000
MO	109.0	120.0	110	16.0	18.0	113	3,500	3,500
MONT	570.0	640.0	112	30.0	23.0	77	2,800	2,700
NEBR	119.0	135.0	113	50.0	42.0	84	3,300	3,100
NEV	85.0	97.0	114	2.0	4.0	200	300	300
N H	11.0	13.0	118				500	600
N J	15.0	14.0	93				800	700
N MEX	485.0	473.0	98	31.0	22.0	71	1,200	1,200
N Y	89.0	92.0	103				2,100	2,200
N C	13.0	15.0	115				500	500
N DAK	143.0	152.0	106	21.0	34.0	162	1,800	1,900
OHIO	200.0	205.0	103	46.0	65.0	141	7,200	7,300
OKLA	120.0	115.0	96	16.0	14.0	88	2,700	2,800
OREG	350.0	345.0	99	125.0	110.0	88	5,100	5,100
PA	134.0	134.0	100				4,700	4,000
S DAK	520.0	535.0	103	70.0	55.0	79	4,500	4,100
TENN	10.0	12.0	120				600	600
TEX	1,700.0	1,890.0	111	170.0	200.0	118	8,400	8,200
UTAH	480.0	485.0	101	23.0	24.0	104	2,100	2,100
VT	25.0	30.0	120				700	800
VA	115.0	122.0	106	43.0	43.0	100	3,000	2,800
WASH	74.0	83.0	112				2,200	2,200
W VA	82.0	77.0	94				2,200	2,000
WIS	85.0	90.0	106	9.0	15.0	167	2,800	2,800
WYO	720.0	740.0	103	117.0	100.0	85	1,500	1,500
9 OTHER STATES <sup>3/</sup>	57.0	67.0	118				2,000	2,000
U S	9,211.5	9,651.4	105	1,646.0	1,717.0	104	113,440	111,040

1/ SHEEP ON FEED FOR CONN, KY, LA, MAINE, MD, MASS, N H, N J, N Y, N C, PA, TENN, VT, W VA, AND WASH WERE COMBINED WITH STOCK SHEEP. SHEEP ON FEED FOR THESE STATES TOTALED 49.7(THOUSAND). 2/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE SHEEP ON HAND DURING THE YEAR. 3/ OTHER STATES INCLUDES ALABAMA, ARKANSAS, DELAWARE, HAWAII, FLORIDA, GEORGIA, MISSISSIPPI, RHODE ISLAND, AND SOUTH CAROLINA.

NEW CROP LAMBS: NUMBER, SELECTED STATES, JANUARY 1, 1988-89 1/

STATE	1989	1990	1990/89
	1,000 HEAD		PERCENT
ARIZ	56.0	53.0	95
CALIF	385.0	300.0	78
COLO	4.0	5.0	125
IDAHO	12.0	13.0	108
IOWA	10.0	15.0	150
KANS	40.0	51.0	128
KY	3.0	5.0	167
MO	5.0	7.0	140
NEBR	5.0	8.0	160
OHIO	10.0	11.0	110
OKLA	15.0	13.0	87
OREG	15.0	15.0	100
PA	6.0	7.0	117
S DAK	10.0	8.0	80
TEX	180.0	190.0	106
VA	12.0	15.0	125
OTH STS	53.3	56.9	107
U S	821.3	772.9	94

1/ NEW CROP LAMB INVENTORY INCLUDES ALL LAMBS BORN AFTER SEPTEMBER 30 THE PREVIOUS YEAR THAT ARE ON HAND JANUARY 1. NEW CROP LAMBS ARE NOT INCLUDED IN THE INVENTORY ESTIMATES OF ALL SHEEP AND LAMBS ON PAGES 5-7 OF THIS PUBLICATION.

ALL GOATS: INVENTORY, VALUE PER HEAD, AND TOTAL VALUE, TEXAS, JANUARY 1, 1988-90

YEAR	NUMBER	VALUE 1/	
		PER HEAD	TOTAL
	1,000 HEAD	DOLLARS	1,000 DOLLARS
1988	1,800	60.10	108,180
1989	1,850	54.20	100,270
1990	1,900	49.00	93,100

1/ BASED ON REPORTERS' ESTIMATES OF AVERAGE PRICE PER HEAD IN THEIR LOCALITIES.

ANGORA GOATS: INVENTORY, VALUE PER HEAD, AND TOTAL VALUE, 5 STATES, JANUARY 1, 1989-90

STATE	NUMBER		VALUE 1/			
			PER HEAD		TOTAL	
	1989	1990	1989	1990	1989	1990
	1,000 HEAD		DOLLARS		1,000 DOLLARS	
ARIZ	100	98	55.00	50.00	5,500	4,900
MICH	15	12	70.00	65.00	1,050	780
N.MEX	135	105	56.00	43.00	7,560	4,515
OKLA	70	65	56.00	55.00	3,920	3,575
TEXAS	1,600	1,620	56.00	50.00	89,600	81,000
TOTAL	1,920	1,900	56.10	49.90	107,630	94,770

1/ BASED ON REPORTERS' ESTIMATES OF AVERAGE PRICE PER HEAD IN THEIR LOCALITIES.