
Sheep and Goats



United States
Department of
Agriculture
Washington, D.C. 20250

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ALL SHEEP AND LAMB INVENTORY in the United States on January 1, 1987 totaled 10.3 million head, according to the Agricultural Statistics Board, up 3 percent from the 9.98 million head a year earlier, and the first increase since 1982. The value of sheep and lambs on hand January 1, 1987 totaled \$782 million, up 16 percent from a year earlier. The average value per head was \$75.70, up \$8.30 from last year.

STOCK SHEEP INVENTORY increased to 8.82 million head on January 1, 1987, up 4 percent from the record low 8.49 million head on January 1, 1986. Ewes one year old and older, at 6.84 million head, increased less than one half of 1 percent from a year earlier. The inventory of ewe lambs on January 1, 1987 reached 1.30 million head, a 24 percent increase from January 1, 1986.

SHEEP AND LAMBS ON FEED January 1, 1987 for the slaughter market in the 25 major feeding States totaled 1.50 million head.

1986 LAMB CROP of 7.35 million head decreased 1 percent from the 1985 lamb crop. Breeding ewes one year old and older on January 1, 1986 were down 6 percent from the previous year. The 1986 lambing rate was 108 per 100 ewes one year old and older, compared with 103 in 1985 and 99 in 1984.

GOAT NUMBERS in Texas totaled 1.67 million on January 1, 1987, down 2 percent from a year earlier. Total value of \$77.6 million was 14 percent above last year. Average value per head increased \$6.30 to \$46.40.

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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 famers and ranchers across the U.S. using probability surveys. Information was collected by mail, telephone and personal interview. 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 three 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 six percent of the complete coverage value if the same procedures were used to survey all producers. The sampling variability for stock sheep and lamb crop are slightly larger than that for total inventory.

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.

CHANGES OF SURVEY PROCEDURES:

The sheep and lamb survey procedure was modified from the previous year by (1) the selection of respondents from a combined list of sheep and cattle producers; (2) the inclusion of sheep and lambs on feed for each of the 41 States in the sheep estimating program (This modified procedure increased the number of operations contacted during the survey period from 51 thousand in 1986 to 85 thousand in 1987; and (3) all data was collected from producers after the January 1, 1987 reference date.

SHEEP: NUMBER BY CLASSES, VALUE PER HEAD, AND TOTAL VALUE
UNITED STATES, JANUARY 1, 1985-87

CLASS	1985	1986	1987	1987/86
	1,000 HEAD			PERCENT
ALL SHEEP AND LAMBS 1/	10,443	9,983	10,328	103
ON FEED	1,596	1,492	1,504	101
STOCK SHEEP	8,847	8,491	8,824	104
LAMBS				
EWES	1,016	1,048	1,296	124
WETHERS AND RAMS	284	318	367	115
ONE YEAR OLD AND OLDER				
EWES	7,233	6,817	6,841	100
WETHERS AND RAMS	314	310	320	100
NEW CROP LAMBS 2/	803	884	844	95
		DOLLARS		
ALL SHEEP AND LAMBS VALUE PER HEAD 3/	61.10	67.40	75.70	112
		1,000 DOLLARS		
ALL SHEEP AND LAMBS TOTAL VALUE	637,873	673,048	781,800	116

1/ NEW CROP LAMBS ARE NOT INCLUDED IN SHEEP AND LAMBS INVENTORY ESTIMATES IN THIS REPORT PRIOR TO 1987, SHEEP ON FEED IN VIRGINIA WERE INCLUDED IN STOCK SHEEP. 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 1984-86

ITEM	1984	1985	1986
	1,000 HEAD		
JAN 1 INVENTORY	11,487	10,443	9,983
LAMB CROP AND IMPORTS	7,804	7,436	7,371
TOTAL SUPPLY	19,291	17,879	17,354
SLAUGHTER	6,900	6,300	5,762
DEATHS AND EXPORTS	2,041	1,746	1,414
TOTAL DISAPPEARANCE	8,941	8,046	7,176
RESIDUAL	(93)	(150)	(150)
JAN 1 INVENTORY (END OF YEAR)	10,443	9,983	10,328

1/ FINAL 1985 AND PRELIMINARY 1986 ESTIMATES WILL BE PUBLISHED IN MEAT ANIMALS, PRODUCTION, DISPOSITION, AND INCOME, APRIL 1987.

GOATS: INVENTORY, VALUE PER HEAD, AND TOTAL VALUE,
TEXAS, JANUARY 1, 1985-87

YEAR	NUMBER	VALUE 1/	
		PER HEAD	TOTAL
	1,000 HEAD	DOLLARS	1,000 DOLLARS
1985	1,550	48.30	74,865
1986	1,700	40.10	68,212
1987	1,670	46.40	77,571

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

LAMB CROP, 1985-86

STATE	: BREEDING EWES 1 YEAR AND OLDER JAN 1 :		: LAMB CROP PER 100: EWES 1+ JAN 1 :		: LAMB CROP 1/ :		: 1986
	: 1985 :	: 1986 :	: 1985 :	: 1986 :	: 1985 :	: 1986 :	: AS % OF 1985
	1,000 HEAD		NUMBER		1,000 HEAD		PERCENT
ALAS	1.5	1.5	47	47	0.7	0.7	100
ARIZ	148.0	161.0	76	70	112.0	112.0	100
CALIF	770.0	725.0	90	87	690.0	630.0	91
COLO	310.0	295.0	113	119	350.0	350.0	100
CONN	6.8	6.4	127	147	8.6	9.4	109
IDAHO	246.0	250.0	134	120	329.0	301.0	91
ILL	92.0	77.0	109	134	100.0	103.0	103
IND	78.0	73.0	126	116	98.0	85.0	87
IOWA	230.0	230.0	135	144	310.0	330.0	106
KANS	147.0	133.0	99	120	145.0	160.0	110
KY	22.0	22.0	118	105	26.0	23.0	88
LA	6.5	6.1	94	98	6.1	6.0	98
MAINE	14.0	13.0	114	131	16.0	17.0	106
MD	11.0	14.0	155	114	17.0	16.0	94
MASS	8.0	7.0	106	157	8.5	11.0	129
MICH	73.0	71.0	123	127	90.0	90.0	100
MINN	150.0	120.0	127	163	190.0	195.0	103
MO	89.0	72.0	118	150	105.0	108.0	103
MONT	390.0	370.0	121	122	470.0	450.0	96
NEBR	83.0	80.0	127	150	105.0	120.0	114
NEV	75.0	65.0	96	112	72.0	73.0	101
N H	9.0	8.0	133	150	12.0	12.0	100
N J	8.0	7.7	113	130	9.0	10.0	111
N MEX	391.0	355.0	83	85	325.0	300.0	92
N Y	42.0	40.0	114	125	48.0	50.0	104
N C	5.8	7.1	128	127	7.4	9.0	122
N DAK	140.0	120.0	114	138	160.0	165.0	103
OHIO	181.0	185.0	119	124	215.0	230.0	107
OKLA	54.0	55.0	111	146	60.0	80.0	133
OREG	285.0	275.0	112	106	320.0	290.0	91
PA	67.0	68.0	112	116	75.0	79.0	105
S DAK	480.0	413.0	115	127	550.0	525.0	95
TENN	6.8	7.7	100	100	6.8	7.7	113
TEX	1,350.0	1,260.0	76	90	1,020.0	1,130.0	111
UTAH	420.0	400.0	100	100	420.0	400.0	95
VT	10.0	9.0	130	167	13.0	15.0	115
VA	87.0	88.0	126	136	110.0	120.0	109
WASH	41.0	44.0	134	132	55.0	58.0	105
W VA	64.0	60.0	111	133	71.0	80.0	113
WIS	51.0	52.0	149	150	76.0	78.0	103
WYO	590.0	570.0	103	91	610.0	520.0	85
U S	7,233.4	6,816.5	103	108	7,412.1	7,348.8	99

1/ LAMB CROP DEFINED AS LAMBS BORN IN THE NATIVE STATES AND LAMBS DOCKED OR BRANDED IN THE WESTERN STATES.

ALL SHEEP AND LAMBS: NUMBER, VALUE PER HEAD, AND TOTAL VALUE BY STATES,
JANUARY 1, 1986-87

STATE	ALL SHEEP AND LAMBS 1/			VALUE PER HEAD		TOTAL	
	1986	1987	1987/1986:	1986	1987	1986	1987
	1,000 HEAD		PERCENT	DOLLARS		1,000 DOLLARS	
ALAS	3.0	2.4	80	86.00	67.50	258	162
ARIZ	278.0	283.0	102	66.50	68.00	18,487	19,244
CALIF	1,065.0	980.0	92	84.00	84.00	89,460	82,320
COLO	600.0	690.0	115	69.50	77.50	41,700	53,475
CONN	8.7	8.8	101	121.00	110.00	1,053	968
IDAHO	320.0	314.0	98	71.50	78.00	22,880	24,492
ILL	109.0	119.0	109	81.50	81.50	8,884	9,699
IND	100.0	91.0	91	67.50	72.00	6,750	6,552
IOWA	350.0	375.0	107	72.00	77.00	25,200	28,875
KANS	210.0	236.0	112	61.00	70.00	12,810	16,520
KY	27.0	32.0	119	70.50	75.00	1,904	2,400
LA	8.4	8.3	99	61.00	65.00	512	540
MAINE	17.0	18.0	106	94.00	95.00	1,598	1,710
MD	20.0	25.0	125	94.00	100.00	1,880	2,500
MASS	10.0	15.0	150	122.00	109.00	1,220	1,635
MICH	108.0	106.0	98	74.00	73.50	7,992	7,791
MINN	213.0	237.0	111	75.50	83.50	16,082	19,790
MO	101.0	110.0	109	58.50	65.50	5,909	7,205
MONT	473.0	523.0	111	61.50	82.00	29,090	42,886
NEBR	160.0	173.0	108	60.00	76.00	9,600	13,148
NEV	81.0	86.0	106	86.50	91.00	7,007	7,826
N H	11.0	12.0	109	102.00	91.50	1,122	1,098
N J	11.0	14.0	127	112.00	115.00	1,232	1,610
N MEX	525.0	480.0	91	61.50	66.50	32,288	31,920
N Y	55.0	64.0	116	79.50	78.00	4,373	4,992
N C	10.0	13.0	130	75.50	75.00	755	975
N DAK	180.0	185.0	103	66.00	79.50	11,880	14,708
OHIO	275.0	300.0	109	77.50	73.50	21,313	22,050
OKLA	90.0	105.0	117	61.50	68.50	5,535	7,193
OREG	430.0	415.0	97	62.00	69.00	26,660	28,635
PA	93.0	104.0	112	84.00	75.50	7,812	7,852
S DAK	540.0	605.0	112	60.00	82.50	32,400	49,913
TENN	10.0	13.0	130	67.00	76.00	670	988
TEX	1,810.0	1,930.0	107	58.00	65.00	104,980	125,450
UTAH	484.0	464.0	96	70.50	83.00	34,122	38,512
VT	13.0	16.0	123	103.00	93.50	1,339	1,496
VA	154.0	168.0	109	67.50	71.50	10,395	12,012
WASH	58.0	59.0	102	68.00	75.50	3,944	4,455
W VA	78.0	90.0	115	65.50	66.00	5,109	5,940
WIS	75.0	83.0	111	70.00	77.00	5,250	6,391
WYO	819.0	775.0	95	63.00	85.00	51,597	65,875
U S	9,983.1	10,327.5	103	67.40	75.70	673,048	781,800

1/ NEW CROP LAMBS ARE NOT INCLUDED IN THE INVENTORY ESTIMATES OF ALL SHEEP AND LAMBS.

SHEEP AND LAMBS: NUMBER BY CLASSES, BY STATES,
JANUARY 1, 1986-87 1/

STATE	STOCK SHEEP-ONE YEAR OLD AND OLDER:				STOCK SHEEP-LAMBS			
	EWES		RAMS AND WETHERS:		EWES		RAMS AND WETHERS	
	1986	1987	1986	1987	1986	1987	1986	1987
	1,000 HEAD							
ALAS	1.5	1.3	1.0	0.7	0.3	0.2	0.2	0.2
ARIZ	161.0	144.0	14.0	11.0	44.0	41.0	27.0	23.0
CALIF	725.0	685.0	23.0	25.0	89.0	69.0	23.0	16.0
COLO	295.0	300.0	10.0	10.0	45.0	55.0	10.0	15.0
CONN	6.4	6.0	0.4	0.4	1.3	1.9	0.6	0.5
IDAHO	250.0	245.0	6.0	6.0	42.0	42.0	3.0	6.0
ILL	77.0	79.0	4.0	6.0	14.0	19.0	3.0	5.0
IND	73.0	63.0	4.0	4.0	12.0	12.0	3.0	3.0
IOWA	230.0	255.0	10.0	11.0	33.0	36.0	7.0	8.0
KANS	133.0	145.0	6.0	7.0	8.0	10.0	3.0	4.0
KY	22.0	24.0	1.0	1.6	3.0	4.0	1.0	2.4
LA	6.1	6.1	0.7	0.7	1.0	1.0	0.6	0.5
MAINE	13.0	13.0	1.0	1.2	2.0	2.5	1.0	1.3
MD	14.0	16.0	3.0	3.0	2.0	4.0	1.0	2.0
MASS	7.0	9.7	0.7	0.8	1.7	3.2	0.6	1.3
MICH	71.0	68.0	3.0	3.0	11.0	10.0	4.0	4.0
MINN	120.0	130.0	6.0	6.0	19.0	23.0	5.0	6.0
MO	72.0	80.0	4.0	4.0	12.0	13.0	3.0	5.0
MONT	370.0	370.0	11.0	13.0	60.0	106.0	9.0	11.0
NEBR	80.0	94.0	3.0	5.0	9.0	15.0	3.0	6.0
NEV	65.0	69.0	2.0	2.0	10.0	14.0	1.0	1.0
N H	8.0	8.6	0.6	0.7	1.8	1.8	0.6	0.9
N J	7.7	8.2	0.8	1.0	1.8	3.1	0.7	1.7
N MEX	355.0	342.0	19.0	20.0	58.0	80.0	8.0	8.0
N Y	40.0	40.0	3.0	2.0	8.0	15.0	4.0	7.0
N C	7.1	9.3	0.6	0.8	1.8	2.2	0.5	0.7
N DAK	120.0	120.0	4.0	4.0	13.0	29.0	3.0	7.0
OHIO	185.0	200.0	7.0	8.0	28.0	30.0	5.0	7.0
OKLA	55.0	60.0	3.0	3.0	8.0	10.0	4.0	7.0
OREG	275.0	255.0	11.0	11.0	33.0	44.0	6.0	10.0
PA	68.0	73.0	6.0	6.0	14.0	18.0	5.0	7.0
S DAK	413.0	434.0	12.0	13.0	30.0	74.0	5.0	29.0
TENN	7.7	8.7	0.7	0.7	0.8	2.3	0.8	1.3
TEX	1,260.0	1,300.0	80.0	80.0	230.0	290.0	90.0	110.0
UTAH	400.0	375.0	12.0	11.0	45.0	50.0	3.0	4.0
VT	9.0	11.0	1.0	1.1	2.0	2.5	1.0	1.4
VA	88.0	98.0	5.0	5.0	17.0	11.0	44.0	6.0
WASH	44.0	44.0	2.0	2.0	9.0	9.5	3.0	3.5
W VA	60.0	68.0	2.0	3.0	8.0	11.0	8.0	8.0
WIS	52.0	53.0	4.0	4.0	6.0	12.0	2.0	7.0
WYO	570.0	530.0	22.0	22.0	113.0	119.0	15.0	19.0
U S	6,816.5	6,840.9	309.5	319.7	1,047.5	1,296.2	317.6	366.7

1/ IN 1986, SHEEP ON FEED IN VIRGINIA WERE INCLUDED IN STOCK SHEEP.

SHEEP AND LAMBS: NUMBER BY CLASSES, BY STATES, JANUARY 1, 1986-87
OPERATIONS WITH SHEEP, 1985-86 1/

STATE	STOCK SHEEP AND LAMBS - TOTAL			SHEEP AND LAMBS ON FEED 2/			OPERATIONS WITH SHEEP 3/	
	1986	1987	:1987/86	1986	1987	:1987/86	1985	1986
	1,000 HEAD		PERCENT	1,000 HEAD		PERCENT	NUMBER	
ALAS	3.0	2.4	80				30	30
ARIZ	246.0	219.0	89	32.0	64.0	200	550	600
CALIF	860.0	795.0	92	205.0	185.0	90	6,000	6,200
COLO	360.0	380.0	106	240.0	310.0	129	2,500	2,600
CONN	8.7	8.8	101				440	470
IDAHO	301.0	299.0	99	19.0	15.0	79	2,500	2,600
ILL	98.0	109.0	111	11.0	10.0	91	6,200	5,000
IND	92.0	82.0	89	8.0	9.0	113	5,200	5,000
IOWA	280.0	310.0	111	70.0	65.0	93	10,500	12,000
KANS	150.0	166.0	111	60.0	70.0	117	2,600	2,000
KY	27.0	32.0	119				900	1,000
LA	8.4	8.3	99				700	650
MAINE	17.0	18.0	106				680	720
MD	20.0	25.0	125				1,000	900
MASS	10.0	15.0	150				600	630
MICH	89.0	85.0	96	19.0	21.0	111	2,700	2,500
MINN	150.0	165.0	110	63.0	72.0	114	6,000	4,800
MO	91.0	102.0	112	10.0	8.0	80	3,900	3,900
MONT	450.0	500.0	111	23.0	23.0	100	2,900	2,900
NEBR	95.0	120.0	126	65.0	53.0	82	3,400	3,300
NEV	78.0	86.0	110	3.0	0.0		270	300
N H	11.0	12.0	109				500	550
N J	11.0	14.0	127				700	750
N MEX	440.0	450.0	102	85.0	30.0	35	1,500	1,500
N Y	55.0	64.0	116				2,200	2,000
N C	10.0	13.0	130				500	500
N DAK	140.0	160.0	114	40.0	25.0	63	2,000	1,800
OHIO	225.0	245.0	109	50.0	55.0	110	7,400	7,500
OKLA	70.0	80.0	114	20.0	25.0	125	2,300	2,400
OREG	325.0	320.0	98	105.0	95.0	90	5,400	5,600
PA	93.0	104.0	112				4,900	4,700
S DAK	460.0	550.0	120	80.0	55.0	69	5,400	5,100
TENN	10.0	13.0	130				470	470
TEX	1,660.0	1,780.0	107	150.0	150.0	100	8,800	8,500
UTAH	460.0	440.0	96	24.0	24.0	100	2,500	2,300
VT	13.0	16.0	123				630	630
VA	154.0	120.0	78		48.0		2,800	2,900
WASH	58.0	59.0	102				2,200	2,200
W VA	78.0	90.0	115				2,700	2,700
WIS	64.0	76.0	119	11.0	7.0	64	3,500	3,200
WYO	720.0	690.0	96	99.0	85.0	86	1,400	1,400
U S	8,491.1	8,823.5	104	1,492.0	1,504.0	101	117,370	114,800

1/ IN 1986, SHEEP ON FEED IN VIRGINIA WERE INCLUDED IN STOCK SHEEP. 2/ 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 33.1(THOUSAND). 3/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE SHEEP ON HAND DURING THE YEAR.

NEW CROP LAMBS: NUMBER, SELECTED STATES, JANUARY 1, 1986-87 1/

STATE	1986	1987	1987/86
	1,000 HEAD		PERCENT
ARIZ	57.0	37.0	65
CALIF	460.0	430.0	93
COLO	5.0	2.0	40
IDAHO	4.0	8.0	200
IOWA	9.0	10.0	111
KANS	43.0	47.0	109
KY	3.0	2.3	77
MO	4.0	7.0	175
NEBR	5.0	7.0	140
OHIO	12.0	13.0	108
OKLA	15.0	20.0	133
OREG	10.0	12.0	120
PA	7.0	8.0	114
S DAK	5.0	12.0	240
TEX	190.0	170.0	89
VA	18.0	16.0	89
OTH STS	36.9	42.2	114
U S	883.9	843.5	95

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