

# Wool and Mohair



United States  
Department of  
Agriculture

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## 1995 Wool Production Down 8 Percent

Shorn wool production in the United States during 1995 was 63.3 million pounds, down 8 percent from 1994. Sheep and lambs shorn totaled 8.11 million head, a decrease of 9 percent from 1994. The average price paid for wool sold in 1995 was \$1.04 per pound for a total value of \$64.1 million, up 22 percent from \$52.4 million in 1994.

Mohair production in the five major producing states (Arizona, Michigan, New Mexico, Oklahoma, and Texas) during 1995 was 12.1 million pounds, down 4 percent from 1994. Goats and kids clipped, at 1.62 million head, was down 8 percent from 1994. Average weight per clip was 7.4 pounds compared with 7.1 pounds a year earlier. Value of mohair production was \$22.2 million, down 32 percent from 1994.

Wool: Production, Price, and Value, United States, 1993-95

Year	Sheep Shorn 1/	Weight per Fleece	Shorn Wool Production	Price per Pound 2/	Value 3/
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1993	9,976	7.77	77,535	.51	39,077
1994	*8,877	7.73	*68,577	.78	*52,377
1995	8,108	7.81	63,303	1.04	64,124

\* Revised.

1/ Includes shearing at commercial feeding yards.

2/ Average local market price for wool sold; does not include incentive payment.

3/ Production multiplied by marketing year average price for individual States; US value is summation of State values.

Mohair: Production, Price, and Value, 5-State Total, 1993-95

Year	Goats Clipped	Average Clip per Goat	Production	Price per Pound 1/	Value 2/
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1993	2,145	6.9	14,847	.82	12,066
1994	1,774	7.1	12,608	2.56	32,247
1995	1,624	7.4	12,059	1.84	22,160

Mohair: Production, Price, and Value by Selected States and 5-State Total, 1994-95

State	1994	1995	1994	1995	1994	1995	1994	1995	1994	1995
	1,000 Head		Pounds		1,000 Pounds		Dollars		1,000 Dollars	
AZ	49	40	4.1	4.0	200	160	.74	1.52	148	243
MI	7	6	10.0	10.0	70	60	2.67	1.70	187	102
NM	85	85	4.5	4.0	383	340	1.61	1.66	617	564
OK	33	23	8.3	7.8	275	180	2.52	1.73	693	311
TX	1,600	1,470	7.3	7.7	11,680	11,319	2.62	1.85	30,602	20,940
5 Sts	1,774	1,624	7.1	7.4	12,608	12,059	2.56	1.84	32,247	22,160

1/ Average local market price for mohair sold; does not include incentive payment.

2/ Production multiplied by marketing year average price for individual States; 5-State value is summation of State values.

Wool: Number of Sheep and Lambs Shorn, Weight per Fleece,  
and Production by State and United States, 1994-95

State	Sheep Shorn		Weight per Fleece		Production	
	1994	1995	1994	1995	1994	1995
	--- 1,000 Head ---		--- Pounds ---		-- 1,000 Pounds --	
AL	8.0	7.0	5.8	6.0	46	42
AK	1.2	.9	6.7	5.6	8	5
AZ	160.0	140.0	6.9	6.8	1,100	950
CA	695.0	690.0	7.7	7.6	5,318	5,250
CO	635.0	540.0	7.3	7.3	4,607	3,960
CT	4.5	4.5	7.3	7.6	33	34
ID	234.0	233.0	9.6	9.3	2,254	2,164
IL	96.0	86.0	6.7	6.9	639	590
IN	75.8	70.0	7.2	6.8	548	475
IA	276.0	345.0	5.9	6.0	1,637	2,070
KS	130.0	144.0	7.0	7.0	908	1,010
KY	18.5	18.0	7.0	6.8	130	123
LA	10.8	10.0	6.0	5.5	65	55
ME	*9.5	7.5	7.6	7.9	*72	59
MD	26.0	21.0	6.9	8.7	180	182
MA	8.0	6.0	*7.0	7.3	*56	44
MI	79.0	85.0	7.6	7.7	599	658
MN	175.0	170.0	6.7	6.8	1,175	1,150
MO	105.0	90.0	6.5	6.3	686	570
MT	533.0	468.0	9.6	9.4	5,092	4,413
NE	95.0	90.0	7.1	7.6	673	680
NV	74.0	74.0	9.8	9.2	722	680
NH	4.5	5.0	7.3	7.4	33	37
NJ	11.4	10.0	7.5	9.3	85	93
NM	371.0	340.0	8.9	8.8	3,297	3,000
NY	63.0	54.0	7.1	7.0	448	380
NC	12.8	10.5	6.7	6.9	86	72
ND	*130.0	109.0	*9.2	9.1	*1,200	990
OH	170.0	136.0	7.1	7.0	1,200	950
OK	63.0	52.0	6.2	6.3	390	330
OR	342.0	360.0	6.6	6.7	2,266	2,412
PA	81.0	81.0	6.9	6.9	562	560
SD	520.0	460.0	8.6	8.6	4,465	3,967
TN	9.6	10.0	6.7	7.5	64	75
TX	2,120.0	1,820.0	7.0	7.4	14,840	13,468
UT	384.0	360.0	10.0	9.7	3,843	3,500
VT	16.0	12.0	6.9	7.3	110	88
VA	69.1	58.0	5.9	6.2	409	358
WA	47.0	44.0	8.8	8.5	415	375
WV	60.0	54.0	6.0	6.3	360	340
WI	64.0	67.0	7.6	7.8	488	525
WY	870.0	730.0	8.4	8.8	7,343	6,411
Oth Sts 1/	19.2	35.1	6.5	5.9	125	208
US	*8,876.9	8,107.5	7.73	7.81	*68,577	63,303

\* Revised.

1/ AR, DE, FL, GA, HI, MS, RI, and SC.

Wool: Price and Value by State and United States, 1994-95

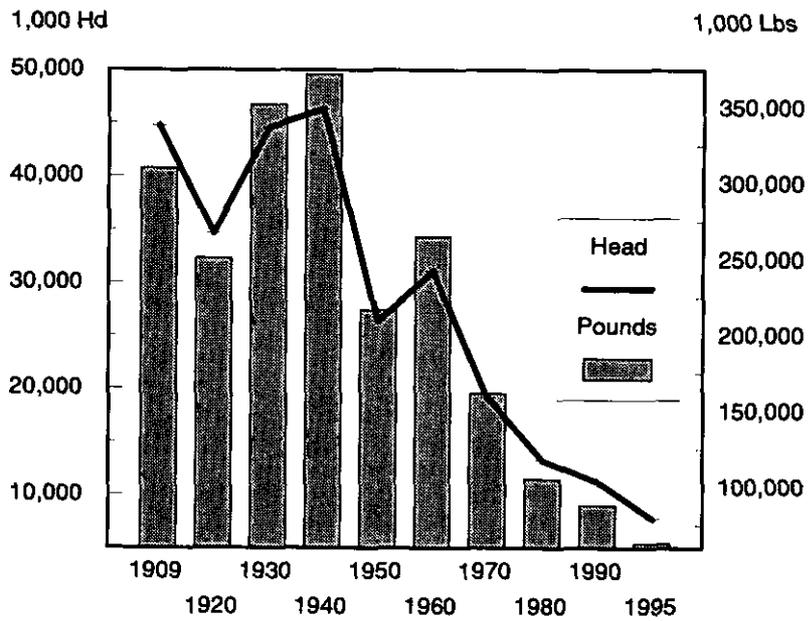
State	Price per Pound 1/		Value 2/	
	1994	1995	1994	1995
	----- Dollars -----		---- 1,000 Dollars ----	
AL	.83	1.15	38	48
AK	1.20	1.25	10	6
AZ	.47	.62	517	589
CA	.65	1.02	3,457	5,355
CO	.72	1.09	3,317	4,316
CT	.62	.78	20	27
ID	.68	.88	1,533	1,904
IL	.38	.55	243	325
IN	.34	.55	186	261
IA	.39	.60	638	1,242
KS	.63	.83	572	838
KY	.53	.70	69	86
LA	.53	.68	34	37
ME	.80	.76	*58	45
MD	.54	.81	97	147
MA	.79	.80	*44	35
MI	.52	.68	311	447
MN	.42	.64	494	736
MO	.42	.64	288	365
MT	.86	1.23	4,379	5,428
NE	.50	.65	337	442
NV	.73	1.08	527	734
NH	.81	.98	27	36
NJ	.66	.76	56	71
NM	.83	1.17	2,737	3,510
NY	.65	.84	291	319
NC	.61	.85	52	61
ND	.61	.94	*732	931
OH	.48	.65	576	618
OK	.64	.79	250	261
OR	.55	.80	1,246	1,930
PA	.58	.78	326	437
SD	.75	1.08	3,349	4,284
TN	.65	.82	42	62
TX	1.05	1.15	15,582	15,488
UT	.70	1.01	2,690	3,535
VT	.81	.84	89	74
VA	.63	.88	258	315
WA	.60	.84	249	315
WV	.56	.88	202	299
WI	.44	.62	215	326
WY	.84	1.20	6,168	7,693
Oth Sts 3/	.57	.70	71	146
US	.78	1.04	*52,377	64,124

\* Revised.

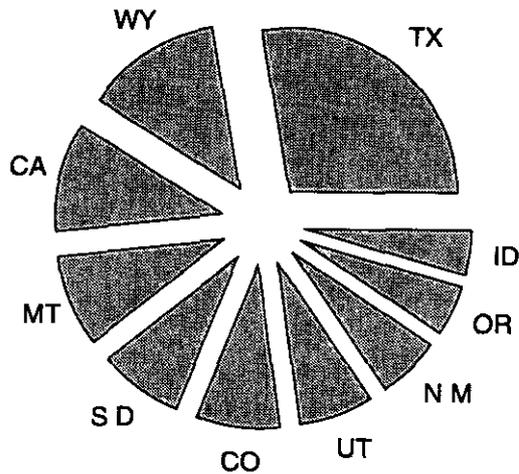
- 1/ Average local market price for wool sold; does not include incentive payment.
- 2/ Production multiplied by marketing year average price for individual States, US value is summation of State values.
- 3/ AR, DE, FL, GA, MS, RI, and SC.

## Sheep and Lambs Shorn and Wool Production

1909-95  
United States



## Wool Production Top 10 Producing States 1995



## Reliability of Wool and Mohair Production Estimates

**Survey Procedures:** A random sample of U. S. producers was surveyed to provide data for the number of sheep shorn and production 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. Data were collected from about 18,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews.

**Estimation Procedures:** These sheep shorn, wool and mohair production estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each State office. National and State survey data were reviewed for reasonableness with each other and with estimates from past years. Farm Service Agency's (FSA) record of pounds of wool and mohair from producers filing for incentive payments was used as check data.

**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. Inventory estimates will also be reviewed after data from the Department of Commerce'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 for the inventory and production estimates, survey data are subject to sampling variability. Survey results for inventory and production estimates 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 the reliability of the estimates in this report, the "Root Mean Square Error" is shown for selected 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 first and latest estimates. The "Root Mean Square Error" for sheep shorn estimates over the past 10 years is 0.5 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 7.7 million head by more than 0.5 percent, or about 38,800 head. Chances are 9 out of 10 that the difference will not exceed 1.0 percent, or about 77,600 head (the 90 percent confidence level).

Also shown in the table is a 10-year record showing the range between the first estimate and the latest estimate. Using estimates for Sheep and Lambs Shorn as an example, changes between the first inventory estimate and the latest estimate during the past 10 years have averaged 42,200 head, ranging from 4,400 to 104,800 head. The inventory estimate of Sheep and Lambs Shorn has been below the latest estimate 6 times and above 4 times in the last 10 years.

Reliability of U.S. Sheep Shorn and Wool Production Estimates 1/

Item	: Root Mean Square Error	: 90% Confidence Level	Difference Between First and Latest Estimates			Number of Years		
			: Average	: Smallest	: Largest	: First Above Latest	: First Below Latest	
Sheep Shorn:	0.5	1.0	77.6	42.2	4.4	104.8	4	6
					1,000 Pounds			
Wool Prod:	0.6	1.2	759.6	347.2	16.0	1,307.0	4	6

1/ Based on data from 1985 through 1995.

The next "Wool and Mohair" report will be released in March 1997.

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