

Wool and Mohair



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1994 Wool Production Down 11 Percent

Shorn wool production in the United States during 1994 was 68.6 million pounds, down 11 percent from 1993. Sheep and lambs shorn totaled 8.88 million head, also a decrease of 11 percent from 1993. The average price paid for wool sold in 1994 was \$0.78 per pound for a total value of \$52.4 million, up 34 percent from \$39.1 million in 1993.

There were 51.9 million pounds of domestic and foreign apparel and carpet scoured raw wool stored in the United States on January 1, 1995.

Wool: Production, Price, and Value, United States, 1992-94

Year	Sheep Shorn 1/	Weight per Fleece	Shorn Wool Production	Price per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1992	10,521	7.88	82,943	.74	60,162
1993	*9,976	*7.77	*77,535	.51	*39,077
1994	8,882	7.73	68,643	.78	52,419

* Revised.

1/ Includes shearing at commercial feeding yards.

2/ Weighted by sales.

Wool Stocks: Apparel and Carpet Wool, Scoured Basis, United States, January 1, 1995 1/

Year	Grand Total 2/	Apparel		Carpet
		Total 2/	Domestic : Foreign	
		Million Pounds		
1995	51.9	48.6	22.3 : 26.2	3.4

1/ Including washed wool, stocks held on consignment, stocks in custom bonded warehouses and stocks in the process of manufacture up to the carding operation. Data does not include pulled wool and stocks held for the account of domestic growers except that held on consignment for growers. Data not included for companies with stocks of less than 10,000 pounds.

2/ Total may not add due to rounding.

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Mohair production in the five major producing States (Arizona, Michigan, New Mexico, Oklahoma, and Texas) during 1994 was 12.6 million pounds, down 15 percent from 1993. Goats and kids clipped, at 1.77 million head, were down 17 percent from 1993. Average weight per head clipped was 7.1 pounds compared with 6.9 pounds a year earlier. Value of mohair production was \$32.2 million, up 167 percent from 1993.

Mohair: Production, Price, and Value, 5-State Total, 1992-94

Year	Goats Clipped	Average Clip per Goat	Production	Price per Pound <u>1/</u>	Value <u>2/</u>
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1992	2,254	6.9	15,582	.86	13,389
1993	2,145	6.9	*14,847	.82	*12,066
1994	1,774	7.1	12,608	2.56	32,247

* Revised.

1/ Weighted by sales.

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

Mohair: Production, Price, and Value by Selected States and 5-State Total, 1993-94

State	Goats Clipped		Average Clip per Goat		Production		Price per Pound <u>1/</u>		Value <u>2/</u>	
	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994
	1,000 Head		Pounds		1,000 Pounds		Dollars		1,000 Dollars	
AZ	70	49	4.4	4.1	310	200	.32	.74	99	148
MI	8	7	*10.6	10.0	*85	70	.94	2.67	*80	187
NM	110	85	4.5	4.5	495	383	.63	1.61	312	617
OK	57	33	8.2	8.3	467	275	.81	2.52	378	693
TX	1,900	1,600	7.1	7.3	13,490	11,680	.83	2.62	11,197	30,602
5 Sts	2,145	1,774	6.9	7.1	*14,847	12,608	.82	2.56	*12,066	32,247

* Revised.

1/ Weighted by sales.

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

Wool: Number of Sheep and Lambs Shorn, Weight per Fleece,
and Production by State and United States, 1993-94

State	Sheep Shorn		Weight per Fleece		Production	
	1993	1994	1993	1994	1993	1994
	--- 1,000 Head ---		---- Pounds ----		-- 1,000 Pounds --	
AL	9.0	8.0	5.6	5.8	50	46
AK	.9	1.2	7.8	6.7	7	8
AZ	*185.0	160.0	*7.0	6.9	*1,300	1,100
CA	800.0	695.0	7.6	7.7	6,044	5,318
CO	725.0	635.0	7.2	7.3	5,199	4,607
CT	*6.5	4.5	7.5	7.3	*49	33
ID	245.0	234.0	10.0	9.6	2,454	2,254
IL	99.0	96.0	6.9	6.7	681	639
IN	*86.0	75.8	*6.5	7.2	*562	548
IA	396.0	276.0	6.2	5.9	2,443	1,637
KS	169.0	130.0	7.3	7.0	1,228	908
KY	*27.0	18.5	*6.1	7.0	*165	130
LA	11.5	10.8	6.1	6.0	70	65
ME	*13.0	10.0	7.6	7.6	*99	76
MD	28.0	26.0	6.5	6.9	181	180
MA	*10.0	8.0	7.5	7.3	*75	58
MI	*81.0	79.0	*7.6	7.6	*612	599
MN	210.0	175.0	7.1	6.7	1,484	1,175
MO	99.0	105.0	7.1	6.5	700	686
MT	*570.0	533.0	9.7	9.6	*5,542	5,092
NE	121.0	95.0	7.5	7.1	902	673
NV	70.0	74.0	8.9	9.8	620	722
NH	*6.0	4.5	7.7	7.3	*46	33
NJ	11.4	11.4	7.0	7.5	80	85
NM	419.0	371.0	9.0	8.9	3,774	3,297
NY	61.0	63.0	6.9	7.1	419	448
NC	14.4	12.8	6.9	6.7	99	86
ND	*159.0	135.0	9.4	9.3	*1,496	1,260
OH	*197.0	170.0	7.2	7.1	*1,411	1,200
OK	*71.0	63.0	*7.2	6.2	*510	390
OR	381.0	342.0	6.3	6.6	2,396	2,266
PA	*88.0	81.0	7.0	6.9	*615	562
SD	580.0	520.0	8.6	8.6	5,003	4,465
TN	10.9	9.6	6.4	6.7	70	64
TX	2,340.0	2,120.0	7.3	7.0	17,000	14,840
UT	405.0	384.0	9.7	10.0	3,930	3,843
VT	*15.0	16.0	8.1	6.9	*122	110
VA	76.0	69.1	6.2	5.9	470	409
WA	62.0	47.0	9.3	8.8	575	415
WV	69.0	60.0	5.8	6.0	400	360
WI	*87.0	64.0	*7.5	7.6	*649	488
WY	*920.0	870.0	*8.4	8.4	*7,749	7,343
Oth Sts 1/	41.4	19.2	6.1	6.5	254	125
US	*9,976.0	8,882.4	*7.77	7.73	*77,535	68,643

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

Wool: Price and Value by State and United States, 1993-94

State	Price per Pound <u>1/</u>		Value <u>2/</u>	
	1993	1994	1993	1994
	Dollars		1,000 Dollars	
AL	.32	.83	16	38
AK	.95	1.20	7	10
AZ	.41	.47	*533	517
CA	.46	.65	2,780	3,457
CO	.50	.72	2,600	3,317
CT	.51	.62	*25	20
ID	.49	.68	1,202	1,533
IL	.24	.38	163	243
IN	.23	.34	*129	186
IA	.27	.39	660	638
KS	.40	.63	491	572
KY	.34	.53	*56	69
LA	.29	.53	20	34
ME	.69	.80	*68	61
MD	.39	.54	71	97
MA	.59	.79	*44	46
MI	.34	.52	*208	311
MN	.28	.42	416	494
MO	.28	.42	196	288
MT	.54	.86	*2,993	4,379
NE	.36	.50	325	337
NV	.51	.73	316	527
NH	.61	.81	*28	27
NJ	.50	.66	40	56
NM	.57	.83	2,151	2,737
NY	.41	.65	172	291
NC	.45	.61	45	52
ND	.40	.61	*598	769
OH	.31	.48	*437	576
OK	.39	.64	*199	250
OR	.36	.55	863	1,246
PA	.36	.58	*221	326
SD	.51	.75	2,552	3,349
TN	.38	.65	27	42
TX	.65	1.05	11,050	15,582
UT	.57	.70	2,240	2,690
VT	.81	.81	*99	89
VA	.37	.63	174	258
WA	.47	.60	270	249
WV	.35	.56	140	202
WI	.28	.44	*182	215
WY	.54	.84	*4,184	6,168
Oth Sts <u>3/</u>	.34	.57	86	71
US	.51	.78	*39,077	52,419

* Revised.

1/ Weighted by sales.

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

3/ Includes AR, DE, FL, GA, MS, RI, and SC.

Raw Carpet and Apparel Wool: Commercial Stocks, Domestic and Foreign,
by Grade, United States, January 1, 1995 1/

Product	Total Equivalent Scoured Weight <u>3/</u>	Shorn Greasy Wool		Scoured Wool Weight
		Greasy Weight	Estimated Scoured Weight	
1,000 Pounds				
Carpet Wool (incl. rugs, etc.)	3,363	3,079	2,378	986
Apparel Wool (incl. blankets, felt, etc.)				
Domestic				
60's and Finer	14,660	22,061	11,766	2,894
Coarser than 60	7,671	8,725	5,545	2,127
Total Domestic <u>3/</u>	22,331	30,785	17,310	5,021
Foreign				
60's and Finer	<u>2/</u>	22,269	<u>2/</u>	<u>2/</u>
Coarser than 60	<u>2/</u>	7,190	<u>2/</u>	<u>2/</u>
Total Foreign <u>3/</u>	26,245	29,459	18,044	8,201
Total Apparel <u>3/</u>	48,576	60,244	35,354	13,222

- 1/ Including washed wool, stocks held on consignment, stocks in Custom bonded warehouses and stocks in the process of manufacture up to the carding operation. Data does not include pulled wool and stocks held for the account of domestic growers except that held on consignment for growers. Data not included for companies with stocks of less than 10,000 pounds.
- 2/ Data not published to avoid disclosing individual operations.
- 3/ Totals may not add due to rounding.

Mohair: Stocks by Product, United States, January 1, 1995 1/

Product	Total Equivalent Scoured Weight	Shorn Greasy Wool		Scoured Wool Weight
		Greasy Weight	Estimated Scoured Weight	
1,000 Pounds				
Adult Hair (34.0 and coarser Microns)	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Young Goat Hair (29.1 - 33.9 Microns)	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Kid Hair (29.0 and finer Microns)	1,039	1,305	1,020	19
Total	3,638	5,778	3,164	474

1/ Includes stocks held on consignment and stocks in process of manufacture up to the carding operation.

2/ Data not published to avoid disclosing individual operations.

Wool and Mohair: Stocks of Tops and Noils,
United States, January 1, 1995

Product	Tops	Noils
1,000 Pounds		
Wool	11,289	10,119
Mohair	<u>1/</u>	10,226

1/ Data not published to avoid disclosing individual operations.

Reliability of Wool and Mohair Production and Stocks 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 70,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews.

For the stocks of raw wool and mohair estimates, approximately 400 wool pools, warehouses, buyers, ranchers and processors were contacted. About 150 responded that they had raw wool and/or mohair as of January 1, 1995, and are included in the estimate.

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. Consolidated Farm Service Agency's (CFSA) 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, production and stocks 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 9 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 8.9 million head by more than 0.5 percent, or about 44,400 head. Chances are 9 out of 10 that the difference will not exceed 1.0 percent, or about 88,800 head (the 90 percent confidence level).

Also shown in the table is a 9-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 9 years have averaged 46,200 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 3 times in the last 9 years.

Reliability of U.S. Sheep and Lambs 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	
- Percent -			----- 1,000 Head -----			Number		
Sheep Shorn	0.5	1.0	88.8	46.2	4.4	104.8	3	6
			----- 1,000 Pounds -----					
Wool Prod.	0.7	1.4	1,085.5	378.4	16.0	1,307.0	3	6

1/ Based on data from 1985 through 1993.

