

## CHAPTER XII

### AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various natural resources, particularly soil, water, timber, wetlands, wildlife, and improvement of water quality. Forestry statistics include area of private and public-owned forest land, timber production, imports and exports, pulpwood consumption and paper and board production, area burned over by forest fires, livestock grazing, and recreational use of national forest lands.

#### Conservation Practices on Active Contracts

Practice code	Practice	Acres
CP 1	Establishment of permanent introduced grasses and legume .....	18,899,212
CP 2	Establishment of permanent native grasses .....	7,811,239
CP 3	Tree planting .....	2,192,580
CP 4	Permanent wildlife habitat .....	1,544,244
CP 5	Field windbreak establishment .....	8,243
CP 6	Diversions .....	157,746
CP 7	Erosion control structure .....	47,732
CP 8	Grass waterways .....	13,843
CP 9	Shallow water areas for wildlife .....	17,307
CP10	Vegetative cover - grass- already established .....	2,207,721
CP11	Vegetative cover - trees- already established .....	81,535
CP12	Wildlife food plot .....	29,325
CP13	Vegetative filter strips * .....	81,250
CP14	Bottomland timber establishment on wetlands .....	75,790
CP15	Establishment of permanent vegetative cover (contour grass strips) .....	519
CP16	Shelterbelt establishment .....	507
CP17	Living snow fences .....	28
CP18	Establishment of permanent vegetation to reduce salinity .....	4,883
CP19	Alley cropping .....	74
CP20	Alternative perennials .....	62
CP21	Filter strips * .....	0
CP22	Riparian buffer .....	0
CP23	Wetland restoration** .....	0
CP24	Cross wind trap strips .....	165
CP25	Rare and declining habitat .....	45,712

\* Available beginning with continuous signup 14. \*\* Available beginning with signup 15.

#### Contract Expiration Schedule

Program year	1997	1998	1999	2000	2001	2002	2005	2006	Total
1986 .....	1,687,883	.....	.....	.....	.....	.....	.....	.....	.....
1987 .....	11,568,733	.....	.....	.....	.....	.....	.....	.....	.....
1988 .....	8,245,398	.....	.....	.....	.....	.....	.....	.....	.....
1989 .....	.....	4,845,693	.....	.....	.....	.....	.....	.....	.....
1990 .....	.....	.....	3,556,352	.....	.....	.....	.....	.....	.....
1991 .....	.....	.....	.....	458,781	.....	.....	.....	.....	.....
1992 .....	.....	.....	.....	.....	973,350	.....	.....	.....	.....
1993 .....	.....	.....	.....	.....	.....	1,003,810	.....	.....	.....
1996 .....	.....	.....	.....	.....	.....	.....	446,792	.....	.....
1997 .....	.....	.....	.....	.....	.....	.....	.....	169,684	.....
Total .....	.....	.....	.....	.....	.....	.....	.....	.....	32,956,476

FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-1.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 1 and CP 2)**

State	CP 1 Establishment of permanent introduced grasses and legumes			CP 2 Establishment of permanent native grasses		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
Alabama .....	21,367	1,185,002	55.45	2,442	126,556	51.82
Alaska .....	6,668	490,893	73.62	.....	.....	.....
Arizona .....	.....	.....	.....	33	0	0.00
Arkansas .....	8,541	369,019	43.21	929	78,639	84.68
California .....	4,144	73,907	17.84	279	7,610	27.28
Colorado .....	58,395	2,217,653	37.98	462,882	24,654,882	53.26
Connecticut .....	70	7,091	100.87	34	3,630	105.83
Delaware .....	39	3,317	85.05	.....	.....	.....
Florida .....	1,243	57,590	46.32	5	335	67.00
Georgia .....	3,328	204,567	61.47	341	28,798	84.40
Hawaii .....	.....	.....	.....	.....	.....	.....
Idaho .....	158,912	5,289,831	33.29	6,373	246,415	38.67
Illinois .....	248,667	10,085,080	40.56	18,435	968,271	52.52
Indiana .....	98,625	5,726,336	58.06	17,644	1,067,858	60.52
Iowa .....	419,365	14,812,593	35.32	80,250	4,272,968	53.25
Kansas .....	29,792	868,433	29.15	690,351	16,960,507	24.57
Kentucky .....	80,053	4,991,955	62.36	17,380	1,613,890	92.86
Louisiana .....	2,054	86,677	42.21	1,642	68,485	41.72
Maine .....	2,053	270,024	131.50	112	13,681	121.72
Maryland .....	7,857	1,004,644	127.86	1,895	374,345	197.53
Massachusetts .....	.....	.....	.....	.....	.....	.....
Michigan .....	105,313	3,339,735	31.71	7,942	361,878	45.57
Minnesota .....	288,826	11,525,821	39.91	127,060	8,393,480	66.06
Mississippi .....	21,612	807,946	37.38	274	19,907	72.65
Missouri .....	427,870	16,596,382	38.79	156,565	8,775,401	56.05
Montana .....	764,904	14,926,585	19.51	709,432	22,930,694	32.32
Nebraska .....	76,654	1,529,258	19.95	292,499	9,308,756	31.82
Nevada .....	.....	.....	.....	.....	.....	.....
New Hampshire .....	10	1,200	120.00	.....	.....	.....
New Jersey .....	993	159,079	160.20	455	86,601	190.54
New Mexico .....	1,024	28,604	27.95	187,568	7,747,064	41.30
New York .....	7,380	628,254	85.14	933	83,870	89.85
North Carolina .....	6,791	470,151	69.23	1,108	81,592	73.63
North Dakota .....	427,899	7,888,629	18.44	22,283	793,694	35.62
Ohio .....	121,914	6,117,377	50.18	16,807	986,467	58.70
Oklahoma .....	39,247	1,408,971	35.90	359,976	16,467,374	45.75
Oregon .....	97,763	2,463,590	25.20	17,664	505,864	28.64
Pennsylvania .....	10,536	779,627	74.00	1,037	76,847	74.13
Puerto Rico .....	118	19,450	164.83	.....	.....	.....
Rhode Island .....	.....	.....	.....	.....	.....	.....
South Carolina .....	1,397	97,761	69.97	40	4,656	116.11
South Dakota .....	190,534	5,372,138	28.20	185,714	7,727,941	41.61
Tennessee .....	55,711	3,146,917	56.49	9,997	710,492	71.07
Texas .....	208,115	7,841,609	37.68	1,575,182	72,186,301	45.83
Utah .....	53,472	1,683,403	31.48	12,858	533,489	41.49
Vermont .....	6	750	125.00	.....	.....	.....
Virginia .....	7,289	390,813	53.62	2,352	164,018	69.74
Washington .....	179,979	8,151,733	45.29	317,919	27,122,882	85.31
West Virginia .....	10	500	49.02	22	1,053	47.01
Wisconsin .....	77,253	3,559,764	46.08	48,461	3,372,489	69.59
Wyoming .....	59,605	1,905,907	31.98	6,944	227,312	32.73
United States, total .....	4,383,397	148,586,566	33.90	5,362,119	239,156,992	34.42

Note: Total acres treated may not add due to rounding.

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**Table 12-2.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 3 and CP 4)**

State	CP 3 Tree planting			CP 4 Permanent wildlife habitat		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
Alabama .....	137,916	9,321,362	67.59	7,979	42,377	5.31
Alaska .....						
Arizona .....						
Arkansas .....	37,205	2,300,626	61.84	3,196	121,445	38.00
California .....	67	2,350	35.07	956	101,900	106.63
Colorado .....	13	4,294	330.31	205,408	13,269,320	64.60
Connecticut .....						
Delaware .....	83	34,342	415.76	1,292	169,499	131.23
Florida .....	28,536	1,027,154	36.00	3,340	95,016	28.45
Georgia .....	145,862	9,592,452	65.76	7,005	236,753	33.80
Hawaii .....						
Idaho .....	2,527	287,157	113.64	115,114	3,007,912	26.13
Illinois .....	42,354	2,918,948	68.92	80,305	2,505,646	31.20
Indiana .....	19,181	2,822,402	147.14	8,740	705,068	80.68
Iowa .....	19,363	3,744,887	193.41	283,293	11,010,929	38.87
Kansas .....	745	79,766	107.05	16,530	664,693	40.21
Kentucky .....	5,135	515,251	100.35	499	37,941	75.97
Louisiana .....	95,875	7,111,633	74.18	2,818	186,127	66.05
Maine .....	265	31,092	117.46	808	32,762	40.54
Maryland .....	1,032	139,695	135.42	1,459	224,658	154.00
Massachusetts .....						
Michigan .....	13,275	1,273,808	95.96	21,184	874,916	41.30
Minnesota .....	47,016	5,172,117	110.01	330,974	21,774,588	65.79
Mississippi .....	282,245	12,655,491	44.84	9,272	279,518	30.15
Missouri .....	26,067	2,831,101	108.61	4,536	244,240	53.85
Montana .....	225	51,172	227.84	29,068	996,544	34.28
Nebraska .....	3,040	235,504	77.48	48,673	1,665,667	34.22
Nevada .....				151	4,100	27.10
New Hampshire .....						
New Jersey .....	214	19,906	93.24	23	5,199	229.03
New Mexico .....	80	2,120	26.50			
New York .....	1,976	259,849	131.54	361	28,531	79.10
North Carolina .....	14,354	543,997	37.90	2,774	251,413	90.62
North Dakota .....	718	159,523	222.33	546,053	12,941,951	23.70
Ohio .....	8,280	926,155	111.86	16,454	445,899	27.10
Oklahoma .....	835	50,738	60.74	3,166	185,971	58.75
Oregon .....	2,029	160,129	78.94	9,311	513,406	55.14
Pennsylvania .....	756	91,636	121.20	348	37,313	107.16
Puerto Rico .....	83	13,288	160.10			
Rhode Island .....						
South Carolina .....	48,568	2,094,064	43.12	11,741	334,019	28.45
South Dakota .....	1,002	244,652	244.14	94,045	4,714,930	50.13
Tennessee .....	12,122	713,855	58.89	5,157	274,642	53.26
Texas .....	5,341	249,490	46.71	31,899	1,471,750	46.14
Utah .....						
Vermont .....						
Virginia .....	4,099	182,326	44.48	967	62,950	65.10
Washington .....	1,401	283,458	202.37	179,281	17,661,919	98.52
West Virginia .....	135	6,980	51.90			
Wisconsin .....	66,243	8,983,665	135.62	8,065	624,294	77.41
Wyoming .....	12	14,755	1,250.42	28,926	528,141	18.26
United States, total .....	1,076,266	77,153,190	71.69	2,121,169	98,333,947	46.36

Note: Total acres treated may not add due to rounding.  
FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-3.—Conservation Reserve Program (CRP): Enrollment by Practice, March 1986–December 1999 (CP 5, CP 6 and CP 7)**

State	CP 5 Establishment of field windbreaks			CP 6 Diversions I			CP 7 Erosion control structures		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL .....				4	4,407	1,224.17	5	6,467	1,293.40
AK .....									
AZ .....									
AR .....							3	2,374	791.33
CA .....									
CO .....	321	141,810	441.50				226	2,731	12.09
CT .....									
DE .....									
FL .....									
GA .....							8		
HI .....	1	800	800.00						
ID .....	32	34,641	1,099.71				4	7,000	1,666.67
IL .....	828	198,042	239.18	17	17,082	1,016.79	59	69,414	1,176.51
IN .....	498	85,025	170.70	0	764	1,910.00	12	26,566	2,142.42
IA .....	1,430	262,784	183.83	11	5,720	544.76	14	17,559	1,272.39
KS .....	344	115,356	335.63	38	13,033	341.18	135	14,398	106.34
KY .....				1	3,600	6,000.00	4	17,867	4,060.68
LA .....				5	476	95.20	2	200	100.00
ME .....									
MD .....	0	1,375	3,437.50	7	276	39.43	8	12,338	1,561.77
MA .....									
MI .....	86	33,618	392.73	5	4,450	988.89	11	25,350	2,263.39
MN .....	1,737	307,011	176.71				1	2,500	5,000.00
MS .....				3	3,500	1,166.67	1	2,175	1,977.27
MO .....	53	3,675	69.21	570	67,091	117.66	201	65,845	326.94
MT .....	175	71,913	410.93						
NE .....	1,410	318,569	225.89				11	1,147	106.20
NV .....									
NH .....							0	700	2,333.33
NJ .....	0	330	1,100.00	5	750	166.67			
NM .....									
NY .....	7	5,441	766.34						
NC .....	2	217	120.56						
ND .....	1,508	414,851	275.06	10	437	43.70			
OH .....	261	62,376	238.71				2	5,750	3,833.33
OK .....	5	1,055	199.06	39	10,950	279.34			
OR .....									
PA .....	4	430	100.00	8	6,428	845.79	1	919	919.00
PR .....									
RI .....									
SC .....	7	142	19.19						
SD .....	3,055	1,086,042	355.52						
TN .....				5	1,955	375.96	18	35,845	2,002.51
TX .....				32	1,855	57.79	4	110	27.50
UT .....									
VT .....	5	1,010	202.00						
VA .....	3	117	39.00						
WA .....	12	6,703	568.05				4	2,595	632.93
WV .....									
WI .....	97	10,522	108.47	1	1,390	1,985.71	2	11,505	6,767.65
WY .....	15	12,124	819.19	146					
US ....	11,897	3,175,979	266.96	905	144,164	17,199.70	736	331,355	40,373.66

<sup>1</sup> Value less than 0.5.  
 Note: Total acres treated may not add due to rounding.  
 FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-4.—Conservation Reserve Program (CRP): Enrollment by Practice, March 1986–December 1999 (CP 8, CP 9 and CP 10)**

State	CP 8 Grass waterways			CP 9 Shallow water areas for wildlife			CP 10 Vegetative-cover-grass-already established		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL	51	10,480	205.89	25	11,062	451.51	117,590		
AK							23,370		
AZ									
AR				371	6,061	16.33	29,033		
CA				1,230	38,231	31.09	119,114		
CO	533	80,431	150.82	28	3,296	118.14	1,356,736		
CT							131		
DE	2	2,390	1,593.33	177	481,985	2,729.25	57		
FL							2,135		
GA	74	39,774	535.32	26	23,614	926.04	7,876		
HI									
ID	15	9,197	601.11	60	36,181	607.06	501,128		
IL	9,188	8,390,640	913.27	1,455	457,605	314.44	204,693		
IN	3,183	5,337,419	1,676.75	592	291,448	492.48	84,344		
IA	7,725	3,638,716	471.03	7,349	1,221,022	166.15	564,555		
KS	1,790	432,930	241.85	175	21,132	121.03	1,693,873		
KY	645	405,718	629.51	583	203,150	348.70	146,439		
LA				81	2	0.02	19,319		
ME	0	338	3,380.00				20,450		
MD	97	236,260	2,430.66	494	532,778	1,078.06	4,642		
MA	1	5	5.00	0			23		
MI	204	132,560	648.85	253	124,479	492.01	111,021		
MN	399	249,449	625.03	615	67,093	109.11	297,391		
MS	56	1,711	30.34	316	3,368	10.67	132,165		
MO	315	115,650	367.73	811	93,926	115.84	762,474		
MT	61	656	10.79				1,474,398		
NE	403	97,656	242.08	97	21,501	222.35	565,100		
NV									
NH									
NJ	6	16,791	2,895.00				445		
NM							404,017		
NY	11	18,682	1,668.04	71	15,661	219.96	40,892		
NC	23	10,671	470.09	1,208	421,679	349.19	17,812		
ND	48	14,789	309.39	35	730	20.80	1,339,810		
OH	1,556	2,821,902	1,814.03	498	257,893	518.27	91,018		
OK	74	14,512	195.05	50			581,076		
OR	66	38,894	592.90	17	8,267	495.03	286,298		
PA	54	91,859	1,707.42	19	30,199	1,623.60	52,928		
PR							351		
RI									
SC	24	27,839	1,140.94	364	390,081	1,071.36	12,250		
SD	347	87,347	252.00	148	30,056	203.00	477,577		
TN	5	966	185.77	9	1,651	179.46	130,117		
TX	394	43,538	110.53	18	4,597	259.72	2,072,544		
UT	6	252	40.00				123,326		
VT	1	1,595	1,595.00				116		
VA	10	6,897	690.00	67	21,000	314.84	14,155		
WA	152	49,022	322.09	33	23,481	711.55	347,689		
WV				2	1,000	500.00	771		
WI	190	241,507	1,269.09	2,433	344,536	141.62	342,330		
WY	9	940	110.59				182,678		
US	27,718	22,669,983	817.89	19,705	5,188,765	14,958.67	14,756,253		

<sup>1</sup> Value less than 0.5.  
 Note: Total acres treated may not add due to rounding.  
 FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-5.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 11, CP 12 and CP 13)**

State	CP 11 Vegetative-cover-trees- already established			CP 12 Wildlife food plots			CP 13 Filter strips		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL .....	168,829			1,366			120	9,628	80.03
AK .....				20					
AZ .....									
AR .....	50,631			249			61	7,416	122.17
CA .....	23			239					
CO .....	281			650			6	12,729	2,121.50
CT .....									
DE .....	56			27					
FL .....	53,468			85				293	
GA .....	121,972			1,271			996	46,859	47.03
HI .....									
ID .....	1,967			842			6	2,427	411.36
IL .....	11,204			1,938			894	316,381	353.97
IN .....	5,744			427			517	149,180	288.72
IA .....	5,361			3,060			620	203,630	328.65
KS .....	1,263			3,426			182	59,101	324.02
KY .....	1,439			564			72	32,672	456.31
LA .....	37,945			720			36	1,675	46.79
ME .....	761			1					
MD .....	399			232			79	228,120	2,883.94
MA .....									
MI .....	5,335			1,723			27	41,940	1,541.91
MN .....	17,667			3,391			1,163	316,863	272.45
MS .....	315,443			4,184			467	26,483	56.66
MO .....	3,870			1,500			253	42,632	168.37
MT .....	1,081			1,747			15	1,283	86.11
NE .....	2,800			1,593			89	8,654	97.13
NV .....								175	
NH .....									
NJ .....	5			2				2,385	
NM .....	80			38					
NY .....	1,216			81			82	3,731	45.78
NC .....	38,755			44			37	6,295	168.77
ND .....	1,231			2,649			35	8,056	230.17
OH .....	4,625			484			159	59,368	372.68
OK .....	360			1,148			12	7,235	588.21
OR .....	1,339			108					
PA .....	574			49				270	
PR .....	121								
RI .....									
SC .....	104,616			1,059			1,716	89,469	52.13
SD .....	880			6,552			112	37,305	334.27
TN .....	16,131			119			209	25,524	121.95
TX .....	6,191			4,436				4,593	
UT .....				22					
VT .....									
VA .....	13,890			150			41	7,500	185.19
WA .....	806			193			18	26,439	1,510.80
WV .....	9			0					
WI .....	22,000			2,591			235	34,257	145.59
WY .....	77			157					
US ....	1,020,443	0	0.00	49,135	0	0.00	8,259	1,820,568	13,442.67

<sup>1</sup> Value less than 0.5.

Note: Total acres treated may not add due to rounding.

FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-6.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 14, CP 15 and CP 16)**

State	CP 14 Wetland trees			CP 15 Contour grass strips			CP 16 Shelter belts		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL .....				155	101	0.65			
AK .....									
AZ .....									
AR .....									
CA .....									
CO .....				579	8,586	14.84	164	128,857	786.67
CT .....									
DE .....									
FL .....									
GA .....	4	178	44.50	29	1,702	59.51			
HI .....									
ID .....				13	504	40.00	41	47,470	1,169.21
IL .....				858	31,748	37.00	49	7,152	146.86
IN .....				80	4,099	51.56	12	2,389	200.76
IA .....				19,904	482,163	24.23	591	220,830	373.65
KS .....				2,700	57,071	21.14	68	22,514	333.54
KY .....									
LA .....	179	8,770	48.99						
ME .....									
MD .....				2	3,500	1,521.74			
MA .....									
MI .....				12	711	60.25	20	1,340	67.68
MN .....				236	12,616	53.39	1,047	257,468	245.84
MS .....				37					
MO .....				1,212	21,548	17.78	13	220	17.05
MT .....							20	6,597	324.98
NE .....				152	3,258	21.50	531	87,790	165.42
NV .....									
NH .....									
NJ .....									
NM .....									
NY .....									
NC .....							16	914	55.73
ND .....							983	315,182	320.80
OH .....	1	180	180.00	4	157	41.32	5	1,001	188.87
OK .....									
OR .....				17			2	710	308.70
PA .....				58	5,443	94.33			
PR .....									
RI .....									
SC .....				0	37	123.33			
SD .....				86	3,444	39.91	2,989	1,070,394	358.14
TN .....				3					
TX .....				154	7,871	51.28	24	9,212	388.69
UT .....									
VT .....									
VA .....									
WA .....				7,768	601,361	77.41	5	3,656	677.04
WV .....									
WI .....				289	11,141	38.58			
WY .....				1	166	207.50			
US ....	184	9,128	49.61	34,345	1,257,227	2,597.25	6,579	2,183,696	6,129.62

Note: Total acres treated may not add due to rounding.  
FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-7.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 17, CP 18 and CP 19)**

State	CP 17 Living snow fences			CP 18 Salt tolerant grasses			CP 19 Alley cropping		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL									
AK									
AZ									
AR									
CA									
CO	33	34,462	1,047.48						
CT									
DE									
FL									
GA									
HI									
ID									
IL	4	441	107.56				20	660	33.00
IN	2	135	75.00						
IA	31	4,687	149.74						
KS	8	2,679	322.77	823	8,875	10.79			
KY									
LA									
ME									
MD									
MA									
MI									
MN	328	46,620	142.18	92	4,503	48.84			
MS									
MO							54	6,947	129.85
MT				143,401	1,431,487	9.98			
NE	49	4,381	89.77						
NV									
NH									
NJ									
NM									
NY									
NC									
ND	51	15,845	310.69	3,542	121,992	34.44			
OH	1	260	325.00						
OK	4			1,759	48,621	27.64			
OR									
PA									
PR									
RI									
SC									
SD	94	22,881	243.16	1,929	64,306	33.33			
TN									
TX				672	36,717	54.65			
UT									
VT									
VA	3	243	97.20						
WA				272	11,705	43.05			
WV									
WI	2	685	360.53				52	4,557	87.47
WY									
US	609	133,319	218.88	152,490	1,728,206	262.73	126	12,164	250.32

Note: Total acres treated may not add due to rounding.  
FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-8.—Conservation Reserve Program (CRP): Enrollment by Practice,  
March 1986–December 1999  
(CP 20, CP 21 and CP 22)**

State	CP 20 Alternative perennials			CP 21 Filter strips			CP 22 Riparian buffer		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL				317	12,716	40.18	1,288	104,688	81.26
AK									
AZ									
AR				1,100	40,813	37.10	1,900	105,464	55.50
CA							40	13,675	341.88
CO				328	11,723	35.73	59	61,299	1,038.97
CT				10	1,251	128.97	38	3,412	90.50
DE				465	62,774	135.03	15	6,429	422.96
FL							68	1,505	22.30
GA				428	7,763	18.14	354	99,121	279.77
HI							1	1,516	1,516.00
ID				198	32,022	161.89	1,107	132,428	119.58
IL				73,703	3,504,482	47.55	37,615	3,817,574	101.49
IN				18,196	1,358,656	74.67	1,140	186,356	163.51
IA				116,140	5,300,864	45.64	24,985	4,143,439	165.84
KS	5			9,890	412,328	41.69	3,185	84,291	26.47
KY				11,429	674,452	59.01	977	101,788	104.19
LA				230	4,008	17.42	237	19,102	80.77
ME				35	700	20.06	72	65,686	916.12
MD				8,821	1,470,723	166.73	2,811	636,835	226.53
MA				15	1,072	73.42	5	750	150.00
MI				6,775	314,894	46.48	281	20,552	73.06
MN				78,272	4,157,076	53.11	10,672	1,278,237	119.78
MS				2,303	63,889	27.74	9,829	443,751	45.15
MO				20,200	888,370	43.98	2,757	263,593	95.60
MT				42	303	7.15	548	34,868	63.59
NE				7,084	345,931	48.84	1,028	98,301	95.62
NV									
NH				162	2,554	15.76	5	2,433	528.91
NJ				53	12,635	237.05	11	3,151	283.87
NM									
NY				262	13,754	52.58	720	106,961	148.47
NC				1,862	351,233	188.66	2,254	155,917	69.19
ND				5,193	130,489	25.13	419	46,278	110.40
OH				15,611	737,213	47.22	602	110,983	184.51
OK				323	11,138	34.52	384	14,013	36.49
OR				1,302	53,881	41.38	1,396	360,989	258.68
PA				58	6,717	116.82	71	33,929	477.87
PR									
RI									
SC				3,505	43,536	12.42	17,907	470,581	26.28
SD				5,241	170,971	32.62	263	67,637	256.88
TN				2,597	57,443	22.12	391	23,082	58.99
TX				636	59,941	94.32	201	24,963	124.07
UT				9	812	93.33	17	2,922	171.88
VT				6	665	112.71	145	15,242	105.19
VA				243	18,078	74.55	822	398,990	485.33
WA				39,707	1,963,931	49.46	1,001	449,726	449.50
WV				7	600	88.24	39	10,463	266.23
WI				8,329	295,195	35.44	3,916	581,900	148.60
WY							363	41,740	114.86
US	5	0	0.00	441,083	22,597,596	51.23	131,938	14,646,560	111.01

Note: Total acres treated may not add due to rounding.  
FSA, Conservation and Environmental Protection Division, (202) 720-4053.

XII-10 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

**Table 12-9.—Conservation Reserve Program (CRP): Enrollment by Practice, March 1986–December 1999 (CP 23, CP 24 and CP 25)**

State	CP 23 Wetland restoration			CP 24 Cross wind trap strips			CP 25 Rare and declining habitat		
	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated	Total acres treated	Total cost share	Cost share per acre treated
AL	68	3,569	52.80				200		
AK									
AZ									
AR	11,298	354,891	31.41						
CA	4,901	111,762	22.80						
CO	609	85,234	139.93				40	4,750	118.75
CT									
DE									
FL									
GA	320	10,420	32.60						
HI									
ID	830	32,085	38.65						
IL	24,048	2,006,244	83.43	1	36	36.00			
IN	5,147	353,883	68.76				5		
IA	9,882	386,806	39.14	20			6,005	876,233	145.91
KS	3,956	83,457	21.10	46	2,354	51.29	63,486	2,310,225	36.39
KY	30	749	25.22						
LA	22,262	422,868	19.00						
ME									
MD	327	151,002	462.06						
MA									
MI	688	96,499	140.24						
MN	226,695	11,040,595	48.70	4	418	119.43	12,211	1,061,303	86.91
MS	11,106	302,932	27.28						
MO	3,169	145,269	45.84				13,686	1,046,788	76.49
MT	3,014	214,357	71.11	27	318	12.00	111,799	4,400,357	39.36
NE	13,752	249,172	18.12	41			35,120	1,975,756	56.26
NV									
NH									
NJ	1	1,500	1,500.00						
NM									
NY	49	11,405	234.19						
NC	16								
ND	739,438	10,280,116	13.90						
OH	1,858	180,340	97.08						
OK	959	17,312	18.05						
OR	219	17,722	81.03						
PA	6	500	80.65						
PR									
RI									
SC	284	4,391	15.48						
SD	362,264	9,969,673	27.52	4	147	40.83			
TN	636	9,965	15.66						
TX	6,129	180,728	29.49	99	1,033	10.39			
UT									
VT									
VA									
WA	2,212	215,702	97.52	14	1,220	89.71			
WV									
WI	9,684	536,214	55.37				2,245	373,778	166.47
WY				17	1,764	106.91			
US	1,465,855	37,477,362	25.57	270	7,290	466.55	244,798	12,049,190	726.54

Note: Total acres treated may not add due to rounding.  
 FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-10.—Emergency Conservation Program: Participation and assistance, by State and Caribbean area, fiscal years 1990–99 <sup>1</sup>**

Year	Emergency Conservation Program	
	<i>1,000 dollars</i>	
1990 .....		12,469
1991 .....		12,579
1992 .....		9,532
1993 .....		23,709
1994 .....		35,825
1995 .....		27,348
1996 .....		26,867
1997 .....		30,847
1998 .....		20,533
1999 .....		40,226

<sup>1</sup> Totals are from unrounded data.  
 FSA, Conservation and Environmental Protection Division, (202) 720-4053.

**Table 12-11.—Forestry Incentives Program: Practices performed, by States and Caribbean area, 1998 and 1999 fiscal year and cumulative 1975–99<sup>1</sup>**

State	1998			1999			Cumulative 1975–99		
	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL .....	8,339	157	0	6,503	216	0	353,968	34,627	1,449
AK .....	0	0	0	10	29	15	148	44	8,707
AZ .....	0	0	0	0	0	0	13	1,807	0
AR .....	6,575	726	40	4,686	76	20	242,056	111,914	449
CA .....	149	135	0	75	75	19	10,280	11,562	19
CO .....	38	10	0	10	20	0	374	131	10
CT .....	0	0	0	0	0	0	12	7,854	0
DE .....	353	0	343	352	0	679	10,726	4,161	1,133
FL .....	3,986	0	0	7,665	11	0	329,735	360	233
GA .....	7,385	0	0	9,946	0	0	375,058	27,584	1,481
HI .....	0	0	0	0	0	0	250	0	0
ID .....	140	0	0	95	27	0	2,802	3,934	32
IL .....	14	547	134	36	287	19	119	40,269	397
IN .....	0	1,181	0	80	1,328	0	4,210	87,770	960
IA .....	126	254	0	20	162	0	3,461	9,767	31
KS .....	0	35	0	0	77	0	451	5,001	0
KY .....	310	800	45	192	363	248	5,124	58,211	1,951
LA .....	7,238	447	160	4,251	1,173	2,774	232,820	47,238	6,440
ME .....	19	127	0	0	504	0	6,878	21,185	10
MD .....	527	153	0	1,165	495	0	32,804	17,839	121
MA .....	60	81	75	0	339	20	698	37,892	210
MI .....	500	42	0	326	179	0	30,450	38,139	25
MN .....	191	110	104	226	60	88	17,880	13,770	1,624
MS .....	11,437	0	0	12,976	0	0	388,625	31,732	245
MO .....	107	233	20	15	586	61	12,210	85,229	292
MT .....	5	46	0	23	91	0	296	5,112	117
NE .....	0	30	0	0	61	0	563	109	0
NV .....	0	0	0	0	223	0	526	273	0
NH .....	0	170	228	18	333	15	254	31,176	1,364
NJ .....	0	0	0	10	5	0	20	12,280	20
NM .....	0	0	0	0	0	0	65	7,341	0
NY .....	10	434	0	0	297	0	81	67,706	120
NC .....	8,180	447	124	4,072	720	14	373,799	26,515	1,300
ND .....	0	0	0	0	0	0	207	141	0
OH .....	232	191	40	730	592	60	14,632	89,006	2,125
OK .....	1,018	460	40	540	185	0	23,369	36,363	562
OR .....	1,172	1,589	0	1,282	2,228	0	63,053	34,706	0
PA .....	46	667	0	108	631	75	5,766	40,240	336
PR .....	0	0	0	0	0	0	1,503	10	0
RI .....	0	0	0	0	0	0	1,153	2,653	10
SC .....	8,850	1,720	45	7,700	1,965	0	332,056	24,362	549
SD .....	0	77	0	0	135	0	29	5,625	10
TN .....	659	436	0	390	773	0	35,210	16,419	425
TX .....	4,080	1,059	54	6,828	217	0	232,836	56,400	1,243
UT .....	0	0	0	0	0	0	0	12	0
VT .....	20	103	0	0	121	10	471	22,611	250
VA .....	9,189	1,495	0	10,905	936	13	418,204	62,257	562
WA .....	294	3,058	0	422	2,536	0	49,189	19,408	20
WV .....	25	389	0	63	669	0	7,081	99,752	10
WI .....	305	0	107	452	150	52	36,229	35,506	4,906
WY .....	0	913	0	0	985	0	4	19,956	0
Total	81,579	18,322	1,559	82,172	19,860	4,182	3,657,748	1,413,959	39,748

<sup>1</sup> In 1974, the program was part of the Rural Environmental Conservation Program (now called the Agricultural Conservation Program). Data for the program year were published in the 1974 Rural Environmental Conservation Program Summary. In 1975 it became a separately funded program.

NRCS, Conservation Operations Division (202) 720–1845.

**Table 12-12.—Forestry Incentives Program: Participation and assistance, by States and Caribbean area, 1998 and 1999 fiscal years**

State	1998			1999		
	Number of participants	Area served	Cost share paid	Number of participants	Area served	Cost share paid
	<i>Number</i>	<i>Acres</i>	<i>Dollars</i>	<i>Number</i>	<i>Acres</i>	<i>Dollars</i>
AL .....	190	8,339	560,498	162	6,719	412,193
AK .....	0	0	0	3	54	10,416
AR .....	171	6,575	292,770	161	4,782	180,746
CA .....	11	149	50,772	6	169	25,013
CO .....	3	38	12,362	3	30	6,469
CT .....	12	353	29,241	23	1,031	49,412
DE .....	83	3,986	222,306	211	7,676	443,954
FL .....	892	7,385	436,151	1,324	9,946	592,007
GA .....	7	140	15,991	10	122	17,215
ID .....	24	14	25,861	14	342	18,179
IL .....	23	0	27,120	42	1,408	43,240
IN .....	18	126	37,480	5	182	15,352
IA .....	2	0	728	2	77	3,509
KS .....	30	310	1,755	21	803	30,845
KY .....	174	7,238	323,616	140	8,198	265,180
LA .....	14	19	13,487	51	504	15,967
ME .....	14	527	25,637	34	1,660	61,942
MD .....	13	60	19,136	21	359	18,421
MA .....	100	500	48,359	32	505	59,748
MI .....	102	191	32,502	78	374	25,638
MN .....	327	11,437	320,236	469	12,976	397,607
MS .....	19	107	15,714	21	662	18,594
MO .....	6	5	3,000	8	114	19,545
MT .....	2	0	2,850	5	61	5,341
NE .....	0	0	0	2	223	2,983
NH .....	20	0	15,470	21	366	19,453
NY .....	0	0	0	2	15	2,983
NC .....	42	10	31,555	21	297	20,715
OH .....	216	8,180	340,000	126	4,806	180,883
OK .....	60	232	38,432	190	1,382	119,147
OR .....	51	1,018	60,900	15	725	35,040
PA .....	73	1,172	203,836	107	3,510	263,384
PR .....	29	46	25,346	46	814	38,464
SC .....	375	8,850	540,000	370	9,665	562,700
SD .....	5	0	5,694	8	135	12,448
TN .....	17	659	56,554	16	1,163	49,229
TX .....	332	4,080	166,234	661	7,045	348,014
VT .....	9	20	9,033	10	131	5,774
VA .....	204	9,189	218,969	290	11,854	325,072
WA .....	100	294	198,598	171	2,958	185,479
WV .....	27	25	16,797	33	732	18,032
WI .....	59	305	61,766	163	654	74,849
WY .....	21	0	45,191	30	985	43,458
Total .....	3,877	81,579	4,551,947	5,128	106,214	5,044,640

NRCS, Conservation Operations Division (202)720-1845.

XII-14 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

**Table 12-13.—Soil conservation districts: Funds appropriated by State and local governments for conservation programs, fiscal year ending Sept. 30, 1998**

State or Territory	Actual appropriations 1,000 dollars	State or Territory	Actual appropriations 1,000 dollars
AK .....	466	NE .....	60,929
AL .....	8,248	NH .....	736
AR .....	13,840	NJ .....	83,430
AZ .....	2,995	NM .....	3,358
CA .....	82,565	NV .....	8,793
CO .....	7,960	NY .....	34,630
CT .....	4,655	OH .....	27,291
DE .....	14,095	OK .....	16,888
FL .....	9,809	OR .....	4,466
GA .....	5,910	PA .....	70,530
HI .....	2,458	Pacific Basin <sup>1</sup> .....	353
IA .....	17,254	Caribbean <sup>2</sup> .....	7,561
ID .....	10,307	RI .....	2,951
IL .....	15,148	SC .....	3,845
IN .....	12,542	SD .....	2,449
KS .....	6,687	TN .....	6,819
KY .....	20,908	TX .....	17,195
LA .....	3,916	UT .....	85,704
MA .....	9,338	VA .....	11,409
MD .....	43,313	VT .....	7,971
ME .....	2,888	WA .....	31,418
MI .....	15,029	WI .....	40,023
MN .....	48,119	WV .....	10,867
MO .....	35,374	WY .....	3,782
MS .....	5,680		
MT .....	2,231		
NC .....	24,464	Total .....	975,359
ND .....	5,759		

<sup>1</sup> Pacific Basin includes Guam and Northern Marianas.  
<sup>2</sup> Caribbean includes Puerto Rico and Virgin Islands.  
 NRCS, Conservation Operations Division, (202) 720-1845.

**Table 12-14.—Soil conservation districts: Number organized each year, approximate total area and land in farms, United States and Territories, 1986–95**

Year <sup>1</sup>	Number districts organized <sup>2</sup>		Total area in districts	
	Net increase for the year	Cumulative total	New districts and additions	Cumulative total
	Number	Number	1,000 acres	1,000 acres
1986 .....	7	2,947	—24,839	2,194,315
1987 .....	—6	2,941	3,219	2,197,534
1988 .....	15	2,956	—13,837	2,183,697
1989 .....	.....	2,956	.....	2,183,697
1990 .....	—1	2,955	—3,227	2,180,470
1991 .....	0	2,955	29,692	2,210,162
1992 .....	0	2,955	—64,101	2,146,061
1993 .....	—2	2,953	37,627	2,183,688
1994 .....	0	2,953	0	2,183,688
1995 .....	0	2,953	0	2,183,688

<sup>1</sup> Fiscal year Oct. 1 through Sept. 30. <sup>2</sup> Totals at the end of each year are net, including corrections and adjustments made during the year.  
 NRCS, Resource Conservation and Community Development Division, (202) 720-4072.

**Table 12-15.—Soil conservation districts: Number of districts organized, approximate total area and number of farms, cumulative through Sept. 30, 1995**

State or Territory	Districts organized <sup>1</sup>	Approximate area and number of farms within organized districts	
		Total area <i>1,000 acres</i>	Farms (and ranches) <i>Thousands</i>
	<i>Number</i>		
Alabama .....	67	32,454	116
Alaska .....	10	358,267	1
Arizona .....	38	73,090	6
Arkansas .....	75	33,074	52
California .....	117	64,351	55
Colorado .....	79	58,774	31
Connecticut .....	8	398	4
Delaware .....	3	1,309	8
District of Columbia .....	1	44	0
Florida .....	63	32,686	60
Georgia .....	40	37,261	78
Hawaii .....	16	4,035	6
Idaho .....	51	52,416	32
Illinois .....	98	28,502	89
Indiana .....	92	23,165	76
Iowa .....	100	36,016	107
Kansas .....	105	52,286	134
Kentucky .....	121	25,396	170
Louisiana .....	43	26,414	28
Maine .....	16	18,735	17
Maryland .....	24	6,636	33
Massachusetts .....	16	5,065	6
Michigan .....	83	36,034	59
Minnesota .....	90	50,762	124
Mississippi .....	82	29,816	126
Missouri .....	113	41,446	146
Montana .....	59	91,141	30
Nebraska .....	23	47,795	60
Nevada .....	29	70,759	3
New Hampshire .....	10	5,955	3
New Jersey .....	16	4,983	9
New Mexico .....	47	74,453	27
New York .....	57	30,488	49
North Carolina .....	100	33,709	154
North Dakota .....	60	42,958	63
Ohio .....	88	26,260	101
Oklahoma .....	89	44,000	128
Oregon .....	45	58,730	31
Pennsylvania .....	66	28,906	52
Rhode Island .....	3	675	1
South Carolina .....	46	19,912	26
South Dakota .....	69	49,353	42
Tennessee .....	95	25,353	163
Texas .....	212	165,607	285
Utah .....	39	52,410	15
Vermont .....	14	6,186	7
Virginia .....	45	25,346	52
Washington .....	47	38,239	42
West Virginia .....	14	14,439	17
Wisconsin .....	72	35,938	83
Wyoming .....	32	59,326	10
US .....	2,928	2,181,353	3,017
Caribbean .....	18	2,311	31
Pacific Basin <sup>2</sup> .....	7	23	6
Totals .....	2,953	2,183,687	3,054

<sup>1</sup> For specific procedure on organization of soil conservation districts, reference should be made to each of the respective State soil conservation district's laws. <sup>2</sup> Guam, Northern Mariana Island, American Samoa, and Federated States of Micronesia.

**Table 12-16.—Soil surveys: Total area mapped for resource planning and other uses under all programs, by States and Territories, year ending Sept. 30, 1998, and cumulative through Sept. 30, 1998**

State or Territory	Progressive Soil Survey Program <sup>1</sup>			State or Territory	Progressive Soil Survey Program <sup>1</sup>		
	Work during year ending Sept. 30, 1998		Total to date		Work during year ending Sept. 30, 1998		Total to date
	Acres mapped	Acres updated	Acres		Acres mapped	Acres updated	Acres
AK .....	1,170,754	165,000	44,549,753	NE .....	59,235	328,325	50,004,936
AL .....	206,693	0	30,039,863	NH .....	45,135	37,558	5,413,458
AR .....	94,101	70,261	33,643,815	NJ .....	4,275	189,100	4,865,375
AZ .....	648,640	0	49,082,581	NM .....	132,570	491,707	69,638,366
CA .....	569,437	15,000	76,402,501	NV .....	193,631	0	60,023,901
CO .....	371,768	62,560	64,328,486	NY .....	100,751	35,720	29,128,330
CT .....	0	48,000	3,211,700	OH .....	0	109,349	26,414,944
DE .....	0	18,500	1,308,500	OK .....	0	207,828	44,771,700
FL .....	78,244	0	34,733,118	OR .....	217,872	243,620	38,632,727
GA .....	122,053	193,321	35,196,871	PA .....	0	305,000	28,997,200
HI .....	0	140,938	4,042,820	PB <sup>2</sup> .....	0	0	545,032
ID .....	0	338,036	36,016,200	PR <sup>3</sup> .....	0	11,325	2,333,800
IA .....	173,866	117,500	36,089,913	RI .....	0	0	775,900
IL .....	0	1,978,902	36,060,840	SC .....	0	98,757	19,912,100
IN .....	0	383,071	23,158,600	SD .....	0	147,990	49,354,542
KS .....	0	77,454	52,657,500	TN .....	263,723	238,625	26,317,003
KY .....	0	139,092	25,815,272	TX .....	495,448	1,775,225	163,616,542
LA .....	0	64,267	30,561,000	UT .....	406,000	77,182	47,816,853
MA .....	0	55,105	5,301,800	VA .....	352,363	0	23,751,921
MD .....	0	268,698	6,695,000	VT .....	57,060	12,995	5,184,845
ME .....	126,340	54,139	17,090,862	WA .....	240,600	81,900	38,721,119
MI .....	454,927	7,920	35,003,991	WI .....	185,124	429,040	32,915,071
MN .....	428,599	360,381	45,387,084	WV .....	109,701	261,804	14,697,657
MO .....	914,672	1,156	41,735,508	WY .....	415,042	4,744	45,875,357
MS .....	121,359	0	28,554,970				
MT .....	1,264,206	82,626	81,909,846				
NC .....	268,465	87,212	31,126,800				
ND .....	188,922	229,259	44,966,592				
				Total .....	10,481,576	10,046,192	1,784,380,465

<sup>1</sup>The National Cooperative Soil Survey of the Natural Resources Conservation Service and cooperating agencies is designed to locate, describe, and show on maps the different kinds of soil and make multiple-use interpretations of each kind of soil for town-and-country planning and for other purposes. <sup>2</sup>Pacific Basin (PB) is a new addition. It includes the American Trust Territories of American Samoa, Islands of Aunuu, Ofu, Olosega, Tau, and Tutuila; Federated States of Micronesia Islands of Kosrae, Ponape, Truk and Yap; Territory of Guam; Islands of Airik, Arno, Majuro, Mili, and Taroa, Republic of the Marshall Islands; Islands of Aguijan, Rota, Saipan and Tinian, Commonwealth of the Northern Mariana Islands; and Islands of Palau, Republic of Palau. <sup>3</sup>Puerto Rico (PR) includes acreages for Virgin Islands. This was previously designated as Caribbean.

NRCS, Soil Survey Division, (202) 720-1820.

**Table 12-17.—Land protected from erosion by soil conservation practices: Newly applied in soil conservation districts with Natural Resources Conservation Service (NRCS) assistance, fiscal years 1991-95**

Land protected from erosion	Unit	1991	1992	1993	1994	1995
Cropland .....	Acres .....	23,301,183	27,221,042	29,011,585	22,707,109	16,211,566
Pasture and hayland .....	.....do .....	4,387,931	4,547,619	4,321,933	5,027,169	3,757,583
Range and native pasture .....	.....do .....	28,413,329	24,831,891	25,472,427	29,943,787	16,945,213
Woodland .....	.....do .....	1,481,606	1,387,574	2,564,233	4,919,308	3,186,124
Wildlife .....	.....do .....	2,142,766	1,858,827	1,922,912	2,288,598	1,293,068
Recreation .....	.....do .....	81,489	127,621	49,530	63,612	34,536
All others .....	.....do .....	304,115	283,633	246,933	303,440	262,929
Total land protected .....	Acres .....	60,112,419	60,258,207	63,589,553	65,253,023	41,691,019

NRCS, Operations Management and Oversight Division, (202) 720-3906.

**Table 12-18.—Land protected from erosion by soil conservation practices: Applied through farmer-district cooperation and cooperation with other agencies, with Natural Resources Conservation Service (NRCS) assistance, by States and Territories, year ending Sept. 30, 1995**

State or Territory	Cropland	Pasture and hayland	Range native pasture	Woodland	Wildlife	Recreation	Other land	Total land protected
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
AL .....	16,813	11,368	11,418	97	119	2	0	39,817
AK .....	5,674	2,175	0	21	240	0	27,687	35,797
AZ .....	1,268	157	1,157,896	0	0	0	0	1,159,321
AR .....	171,086	183,690	4,838	36,221	19,282	7	300	415,424
CA .....	350,443	5,790	242,707	7,018	29,055	217	4,572	639,802
CO .....	617,111	58,664	460,378	937	12,405	5	5,461	1,154,961
CT .....	2,735	5	0	0	0	0	0	2,740
DE .....	12,688	438	0	25	0	0	1	13,152
FL .....	317,341	337,925	274,838	26,287	4,219	482	1,953	963,045
GA .....	134,345	17,901	0	18,721	369	0	3,486	174,822
HI .....	62,436	5,208	58,984	41	0	0	33	126,702
ID .....	284,170	11,273	17,848	560	30	72	0	313,953
IL .....	1,622,002	38,204	0	1,901	3,586	5	1,893	1,667,591
IN .....	405,628	1,197	2,494	957	299	2	5,297	415,874
IA .....	1,133,191	12,754	117	1,869	15,296	71	4,537	1,167,835
KS .....	809,085	33,396	199,418	58	1,164	0	524	1,043,645
KY .....	0	0	0	0	0	0	0	0
LA .....	275,325	73,096	14,112	97,380	132,344	287	1,915	594,459
ME .....	770	2,134	0	47	0	0	2	2,953
MD .....	33,066	894	0	0	0	0	5	33,965
MA .....	6,073	134	33	0	16	0	2	6,258
MI .....	170,678	17,095	269	9,536	6,162	326	43,726	247,792
MN .....	316,831	6,091	611	1,629	7,613	111	3,798	336,684
MS .....	325,793	125,133	0	79,118	33,731	261	3,305	567,341
MO .....	214,859	40,405	35	10,556	9,594	1	11,741	287,191
MT .....	844,064	106,881	899,675	1,005	23,461	370	195	1,875,651
NE .....	201,450	17,666	406,764	147	1,206	0	738	627,971
NV .....	491	51,881	397,963	0	166,398	2	44,435	661,170
NH .....	5,450	6,440	0	4,621	312	499	514	17,836
NJ .....	13,592	458	0	0	37	0	121	14,208
NM .....	188,165	13,786	2,574,056	8,973	194,874	45	151	2,980,050
NY .....	127,621	6,284	33	0	0	0	142	134,080
NC .....	311,862	12,588	4	1,867	128	13	1,668	328,130
ND .....	420,526	52,730	238,702	948	22,668	15	14,011	749,600
OH .....	118,346	8,608	28	3,073	289	0	635	130,979
OK .....	126,928	78,662	47,065	4,037	4,348	7	0	261,047
OR .....	424,395	31,200	176,443	2,147	7,801	0	236	642,222
PA .....	0	0	0	0	0	0	0	0
RI .....	119	27	0	0	0	4	0	150
SC .....	82,929	32,786	0	38,685	18,718	119	4,145	177,382
SD .....	844,468	125,808	1,105,167	263	21,745	200	9,940	2,107,591
TN .....	285,600	14,149	0	564	0	0	201	300,514
TX .....	4,343,415	2,050,347	8,088,141	2,816,961	537,553	31,358	62,393	17,930,168
UT .....	18,415	11,615	194,402	0	9,731	3	176	234,342
VT .....	6,207	39	0	0	0	0	3	6,249
VA .....	124,559	84,893	24	3,184	1,538	0	153	214,351
WA .....	3,991	16,787	0	3,652	378	23	2,706	27,537
WV .....	648	5,928	0	74	700	17	52	7,419
WI .....	371,277	4,251	45	2,519	2,761	0	0	380,853
WY .....	40,824	27,274	359,287	328	2,779	10	76	430,578
PR <sup>1</sup> .....	16,813	11,368	11,418	97	119	2	0	39,817
Total .....	16,211,566	3,757,583	16,945,213	3,186,124	1,293,068	34,536	262,929	41,691,019

<sup>1</sup> Puerto Rico and Virgin Islands.

NRCS, Operations Management and Oversight Division, (202) 720-3906.

**Table 12-19.—Conservation plans: Active district cooperators and conservation plans prepared under all programs and area covered in soil conservation districts with Natural Resources Conservation Service assistance, by States and Territories, year ending Sept. 30, 1995**

State or Territory	Progress, year ending Sept. 30, 1995		
	New SCD cooperators		New conservation plans <sup>1</sup>
	Number	Acres	Acres
Alabama .....	136	6,030	16,368
Alaska .....	6	1,685	21,842
Arizona .....	74	356,016	652,834
Arkansas .....	444	82,519	375,299
California .....	359	158,942	108,749
Colorado .....	379	294,077	546,157
Connecticut .....	64	10,109	1,131
Delaware .....	7,154	1,106,007	373,240
Florida .....	328	164,471	217,744
Georgia .....	2	1,445	56,816
Hawaii .....	221	128,614	34,505
Idaho .....	122	27,332	206,980
Illinois .....	501	91,295	463,250
Indiana .....	71,745	4,735,275	307,759
Iowa .....	2,873	417,687	230,577
Kansas .....	157	21,823	125,463
Kentucky .....	595	60,476	140,788
Louisiana .....	583	127,008	241,713
Maine .....	47	5,204	20,790
Maryland .....	87	8,990	52,279
Massachusetts .....	20	1,369	10,785
Michigan .....	39	4,126	167,356
Minnesota .....	2,965	83,320	1,676,000
Mississippi .....	640	56,286	177,414
Missouri .....	1,113	275,978	145,533
Montana .....	7	10,328	419,498
Nebraska .....	204	245,352	147,087
Nevada .....	172	62,523	41,659
New Hampshire .....	28	4,424	9,122
New Jersey .....	65	11,381	21,583
New Mexico .....	118	167,568	1,978,963
New York .....	18	973	8,041
North Carolina .....	877	60,847	152,688
North Dakota .....	19	17,626	562,714
Ohio .....	256	35,132	91,943
Oklahoma .....	1,511	1,314,339	2,638,733
Oregon .....	101	52,530	370,144
Pennsylvania .....	164	14,494	52,738
Rhode Island .....	8	1,116	1,157
South Carolina .....	877	150,082	130,763
South Dakota .....	319	42,075	191,338
Tennessee .....	1,507	135,189	2,490
Texas .....	2,486	1,172,265	1,336,056
Utah .....	123	179,604	472,126
Vermont .....	12	2,281	10,517
Virginia .....	278	15,158	137,572
Washington .....	9	934	50,312
West Virginia .....	73	17,162	32,488
Wisconsin .....	45	5,755	116,870
Wyoming .....	203	11,796	505,028
Puerto Rico <sup>2</sup> .....	136	6,030	16,368
<b>Total .....</b>	<b>100,270</b>	<b>11,963,048</b>	<b>15,869,370</b>

<sup>1</sup>Includes conservation plans prepared on farms and ranches of SCD cooperators who signed agreements in prior years. <sup>2</sup>Puerto Rico and Virgin Islands.

**Table 12-20.—Interim EQIP/GPCP<sup>1</sup>: Status of cost-share contracts, by States, year ending Sept. 30, 1998<sup>2</sup>**

State	Designated counties	Active land treatment contracts in operation	
		1998	1998
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>
CO .....	38	104	431.7
KS .....	62	107	81.7
MT .....	46	35	387.8
NE .....	65	14	39.1
NM .....	27	25	634.8
ND .....	48	104	181.4
OK .....	44	106	49.4
SD .....	51	44	169.4
TX .....	156	211	655.9
WY .....	19	35	294.5
<b>Total .....</b>	<b>556</b>	<b>785</b>	<b>2,925.7</b>

<sup>1</sup> EQIP -- Environmental Quality Incentives Program; GPCP -- Great Plains Conservation Program. <sup>2</sup> As authorized by the Act of Congress April 4, 1996, (Public Law 127, 104th Congress).  
 NRCS, Conservation Operations Division, (202) 720-1845.

**Table 12-21.—Great Plains Conservation Program: Status of cost-share contracts, by States, year ending Sept. 30, 1998<sup>1</sup>**

State	Designated counties	Active land treatment contracts in operation	
		1998	1998
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>
CO .....	38	185	691.6
KS .....	62	351	238.8
MT .....	46	159	867.5
NE .....	65	183	531.0
NM .....	27	98	1,699.0
ND .....	48	272	567.5
OK .....	44	381	186.7
SD .....	51	293	1,108.0
TX .....	156	278	635.5
WY .....	19	94	891.0
<b>Total .....</b>	<b>556</b>	<b>2,294</b>	<b>7,416.6</b>

<sup>1</sup> As authorized by the Act of Congress August 7, 1956 (Public Law 1021, 84th Congress).  
 NRCS, Conservation Operations Division, (202) 720-1845.

**Table 12-22.—Watershed protection and flood prevention projects: Works of improvement installed with the assistance of the Natural Resources Conservation Service with watershed protection and flood prevention funds for year ending Sept. 30, 1995 <sup>1 2</sup>**

Item	Unit	Watershed and flood prevention projects
Flood prevention subwatersheds in operation during year .....	Number .....	318
Watershed projects in operation during year .....	.....do .....	1,591
Land protected from erosion:		
Cropland .....	Acres .....	291,118
Pasture and hayland .....	.....do .....	158,665
Range and native pasture .....	.....do .....	340,303
Woodland .....	.....do .....	15,597
Wildlife .....	.....do .....	30,226
Recreation .....	.....do .....	3,973
Other .....	.....do .....	13,843
Total land <sup>3</sup> .....	.....do .....	855,634

<sup>1</sup>As authorized by the Soil Conservation Act of 1935 (Public Law 46, 74th Congress) and Watershed Protection and Flood Prevention Act P.L. 566, as amended. No update available. <sup>2</sup>All of the 11 watersheds were approved Dec. 22, 1944; however, flood control funds did not become available for works of improvement until 1946. <sup>3</sup>Land protected data included in Table 12-22 "Land Protected From Erosion by Soil Conservation Practices."  
 NRCS, Watershed and Wetlands Division, (202) 720-3527.

**Table 12-23.—Small watershed protection and flood prevention projects: Accomplishments for years ending Sept. 30, 1993-97**

Item	Unit of measure	1993	1994	1995	1996	1997
Small watershed protection: <sup>1</sup>						
Land treatment: <sup>2</sup>						
Forest land .....	Acres .....	38,322	16,806	1,905	2,193	8,402
Cropland .....	.....do .....	501	626	0	1,160	741
Pastureland .....	.....do .....	170	28	7,284	45	88
Total land treatment .....	.....do .....	38,993	17,460	9,189	3,398	9,233
Land owners assisted .....	Number .....	3,534	1,483	1,465	1,348	1,186
Flood prevention: <sup>3</sup>						
Land treatment: <sup>2</sup>						
Forest land .....	Acres .....	2,196	6,335	63,028	8,682	6,541
Cropland .....	.....do .....	.....	.....	575	1,668	20
Pastureland .....	.....do .....	.....	40	83	92	78
Total land treatment .....	.....do .....	2,196	6,375	63,686	10,442	6,639
Land owners assisted .....	Number .....	1,452	1,528	2,461	2,265	1,183

<sup>1</sup>As authorized by the Watershed Protection and Flood Prevention Act of 1954 (Public Law 83-566), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds. <sup>2</sup>Reported in land use categories consistent with those reported by the National Resources Conservation Service. <sup>3</sup>As authorized by the Navigation and Flood Control Act of 1944 (Public Law 78-534), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds.  
 FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-24.—Tree planting: Acres seeded and acres of tree planting, in States and Territories, fiscal year 1998**

State or other area	Total	Federal lands			Non-federal public <sup>1</sup> lands	Private <sup>2</sup> lands
		Total	National Forest System	Other <sup>3</sup>		
	Acres	Acres	Acres	Acres	Acres	Acres
AL .....	165,270	2,490	1,161	1,329	450	162,330
AK .....	5,534	354	354	0	2,783	2,397
AZ .....	1,491	1,444	1,444	0	5	42
AR .....	53,738	5,549	3,536	2,013	889	47,300
CA .....	38,670	27,948	27,900	48	4	10,718
CO .....	6,310	389	386	3	285	5,636
CT .....	145	0	0	0	18	127
DE .....	1,123	0	0	0	0	1,123
FL .....	79,381	7,651	3,727	3,924	4,308	67,422
GA .....	265,905	2,407	1,037	1,370	3,838	259,660
HI .....	1,025	0	0	0	42	983
ID .....	24,220	19,596	19,596	0	3,421	1,203
IL .....	8,969	563	531	32	0	8,406
IN .....	2,058	18	0	18	50	1,990
IA .....	6,899	4	0	4	263	6,632
KS .....	1,534	8	0	8	56	1,470
KY .....	6,414	431	409	22	202	5,781
LA .....	31,508	1,129	919	210	2,559	27,820
ME .....	927	0	0	0	0	927
MD .....	6,688	8	0	8	430	6,250
MA .....	16	2	0	2	0	14
MI .....	10,717	3,017	3,017	0	7,700	0
MN .....	20,033	2,298	2,292	6	9,036	8,699
MS .....	269,700	6,135	5,426	709	20,377	243,188
MO .....	2,638	388	256	132	0	2,250
MT .....	11,714	10,674	10,669	5	622	418
NE .....	4,089	0	0	0	0	4,089
NV .....	292	195	195	0	35	62
NH .....	3	3	0	3	0	0
NJ .....	264	6	0	6	39	219
NM .....	1,434	1,002	1,002	0	40	392
NY .....	312	0	0	0	58	254
NC .....	80,630	1,861	563	1,298	1,284	77,485
ND .....	3,186	186	0	186	18	2,982
OH .....	2,699	97	80	17	31	2,571
OK .....	5,776	63	0	63	95	5,618
OR .....	67,127	43,153	43,153	0	3,266	20,708
PA .....	3,970	196	189	7	0	3,774
RI .....	45	0	0	0	8	37
SC .....	67,027	1,190	414	776	1,946	63,891
SD .....	4,676	139	0	139	73	4,464
TN .....	11,420	677	273	404	1,026	9,717
TX .....	68,626	1,014	504	510	352	67,260
UT .....	1,003	1,003	1,003	0	0	0
VT .....	240	185	185	0	10	45
VA .....	71,635	372	254	118	137	71,126
WA .....	55,603	14,267	14,043	224	17,000	24,336
WV .....	2,082	87	85	2	0	1,995
WI .....	23,015	904	894	10	0	22,111
WY .....	3,056	1,470	1,390	80	0	1,586
State totals .....	1,500,837	160,573	146,887	13,686	82,756	1,257,508
PR .....	301	0	0	0	0	301
Other <sup>4</sup> .....	230	0	0	0	66	164
Total .....	1,501,368	160,573	146,887	13,686	82,822	1,257,973

<sup>1</sup> State forest, other State, and other public agencies lands. <sup>2</sup> Forest industry, other industry, and nonindustrial lands. <sup>3</sup> U.S. Department of Interior and Indian Reservations, and other federal lands. <sup>4</sup> Guam and the Trust Territories of the Pacific Islands.

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**Table 12-25.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 1996<sup>1</sup>**

Region	Total forest land <sup>2</sup>	Timberland <sup>3</sup>							
		All owner-ships	Federal			State, county, and municipal	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private <sup>4</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
Northeast .....	85,484	86,035	9,603	2,029	7,574	7,112	69,320	10,996	58,324
North Central .....	84,795	94,220	22,555	7,881	14,674	13,746	57,919	3,796	54,123
North .....	170,279	180,255	32,158	9,910	22,248	20,858	127,239	14,792	112,447
Southeast .....	88,662	84,803	6,851	4,594	2,257	2,522	75,430	14,508	60,922
South Central .....	125,448	116,306	9,000	6,604	2,396	2,562	104,744	22,526	82,218
South .....	214,110	201,109	15,851	11,198	4,653	5,084	180,174	37,034	143,140
Great Plains .....	4,787	4,317	1,075	999	76	180	3,062	0	3,062
Intermountain .....	138,447	63,455	42,755	42,580	175	2,637	18,063	2,926	15,137
Rocky Mountains .....	143,234	67,772	43,830	43,579	251	2,817	21,125	2,926	18,199
Alaska .....	127,380	11,988	3,899	3,780	119	4,299	3,790	0	3,790
Pacific Northwest .....	51,581	38,454	18,173	18,035	138	2,614	17,667	9,193	8,474
Pacific Southwest <sup>5</sup> .....	40,214	18,447	10,097	10,086	11	505	7,845	2,932	4,913
Pacific Coast .....	219,175	68,889	32,169	31,901	268	7,418	29,302	12,125	17,177
All regions .....	746,798	518,025	124,008	96,588	27,420	36,177	357,840	66,877	290,963

<sup>1</sup> Data may not add to totals because of rounding. <sup>2</sup> Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees, and forest areas adjacent to urban and built-up lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width at least 120 feet wide to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet in width. <sup>3</sup> Timberland is forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing more than 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. <sup>4</sup> Includes Indian lands. <sup>5</sup> Includes Hawaii.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-26.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, Jan. 1, 1996<sup>1</sup>**

Region	Growing stock <sup>2</sup>			Sawtimber <sup>3</sup>		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Northeast .....	121,179	30,945	90,234	321,066	91,564	229,502
North Central .....	91,393	18,355	73,038	253,427	54,676	198,751
North .....	212,572	49,300	163,272	574,493	146,240	428,253
Southeast .....	122,985	51,861	71,124	391,863	174,866	216,997
South Central .....	133,377	52,985	80,392	465,944	218,316	247,628
South .....	256,362	104,846	151,516	857,807	393,182	464,625
Great Plains .....	5,539	1,687	3,852	13,915	5,642	8,273
Intermountain .....	134,989	124,598	10,391	468,261	452,160	16,101
Rocky Mountains .....	140,528	126,285	14,243	482,176	457,802	24,374
Alaska .....	35,059	31,707	3,352	146,787	140,563	6,224
Pacific Northwest .....	155,758	141,845	13,913	844,138	796,907	47,231
Pacific Southwest <sup>4</sup> .....	59,366	49,859	9,507	321,615	297,121	24,494
Pacific Coast .....	250,183	223,411	26,772	1,312,540	1,234,591	77,949
All regions .....	859,645	503,842	355,803	3,227,016	2,231,815	995,201

<sup>1</sup> Data may not add to totals because of rounding. <sup>2</sup> Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. <sup>3</sup> Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter and hardwood trees must be at least 11.0-inches diameter at 4½ feet above ground. <sup>4</sup> Includes Hawaii.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-27.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 1996<sup>1</sup>**

Roundwood products, logging residues, and other removals	All sources			Growing stock <sup>2</sup>			Other sources <sup>3</sup>		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
Roundwood products:									
Sawlogs .....	7,044	5,082	1,962	6,712	4,928	1,784	331	153	178
Pulpwood .....	1,249	1,092	157	1,220	1,070	150	28	21	7
Veneer logs .....	5,037	2,845	2,192	4,444	2,547	1,897	593	298	295
Other products <sup>4</sup> .....	361	114	247	325	98	227	35	15	20
Fuelwood <sup>5</sup> .....	2,283	493	1,790	799	187	612	1,484	306	1,178
Total .....	15,974	9,626	6,348	13,500	8,830	4,670	2,471	793	1,678
Logging residues <sup>6</sup> .....	3,374	1,349	2,025	1,292	615	677	2,082	734	1,348
Other removals <sup>7</sup> .....	1,387	448	939	919	348	571	468	100	368
Total .....	4,761	1,797	2,964	2,211	963	1,248	2,550	834	1,716

<sup>1</sup>Data may not add to totals because of rounding. <sup>2</sup>Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. <sup>3</sup>Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches diameter at 4½ feet above ground, tops, and roundwood harvested from nonforest land (for example, fence rows). <sup>4</sup>Includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal and export logs. <sup>5</sup>Downed and dead wood volume left on the ground after trees have been cut on timberland. <sup>6</sup>Net of wet rot or advanced dry rot, and excludes old punky logs; consists of material sound enough to chip; excludes stumps and limbs. <sup>7</sup>Unutilized wood volume from cut or otherwise killed growing stock, from nongrowing stock sources on timberland (for example, precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-28.—Timber growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 1996<sup>1</sup>**

Region	Growth <sup>2</sup>			Removals <sup>3</sup>			Mortality <sup>4</sup>		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
Northeast .....	2,869	646	2,223	1,275	414	861	788	274	514
North Central .....	2,482	521	1,961	1,498	255	1,243	817	181	636
North .....	5,351	1,167	4,184	2,773	669	2,104	1,605	455	1,150
Southeast .....	4,731	2,779	1,952	4,459	2,947	1,512	1,234	630	604
South Central .....	5,981	3,110	2,871	5,726	3,531	2,195	1,003	406	597
South .....	10,712	5,889	4,823	10,185	6,478	3,707	2,237	1,036	1,201
Great Plains .....	98	52	46	35	20	15	48	10	38
Intermountain .....	2,390	1,956	434	497	481	16	993	890	103
Rocky Mountains .....	2,488	2,008	480	532	501	31	1,041	900	141
Alaska .....	223	137	86	182	177	5	205	195	10
Pacific Northwest .....	3,582	3,156	426	1,720	1,621	99	779	697	82
Pacific Southwest <sup>5</sup> .....	1,288	1,155	133	628	618	10	315	263	52
Pacific Coast .....	5,093	4,448	645	2,530	2,416	114	1,299	1,155	144
All regions .....	23,644	13,512	10,132	16,020	10,064	5,956	6,182	3,546	2,636

<sup>1</sup>Data may not add to totals because of rounding. <sup>2</sup>The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year. <sup>3</sup>The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing. <sup>4</sup>The volume of sound wood in trees that died from natural causes during a specified year. <sup>5</sup>Includes Hawaii.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

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**Table 12-29.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, Jan. 1, 1996<sup>1</sup>**

Species	Total West	Inter-mountain	Alaska	Pacific Northwest	Pacific South-west <sup>2</sup>	Great Plains
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>						
Douglas-fir .....	640,832	127,211	0	429,850	83,771	0
Ponderosa and Jeffrey pines .....	203,733	76,732	0	63,637	59,647	3,717
True fir .....	238,850	65,806	9	93,369	79,666	0
Western hemlock .....	171,001	4,692	51,911	114,240	158	0
Sugar pine .....	31,257	3,824	0	7,558	19,875	0
Western white pine .....	7,300	3,118	0	2,355	1,827	0
Redwood .....	27,663	0	0	193	27,470	0
Sitka spruce .....	47,279	0	44,944	2,335	0	0
Engelmann and other spruces .....	103,028	68,997	17,669	16,011	216	135
Western larch .....	29,228	17,537	0	11,691	0	0
Incense cedar .....	19,567	14	0	3,971	15,582	0
Lodgepole pine .....	82,647	64,408	131	12,638	5,470	0
Western Red Cedar .....	43,065	9,473	4,945	28,641	6	0
Other .....	47,112	14,383	13,828	13,678	3,433	1,790
<b>Total .....</b>	<b>1,692,562</b>	<b>456,195</b>	<b>133,437</b>	<b>800,167</b>	<b>297,121</b>	<b>5,642</b>
<b>Hardwoods:</b>						
Cottonwood and aspen .....	23,744	15,558	4,276	3,746	158	6
Red alder .....	29,013	0	91	28,336	586	0
Oak .....	11,833	0	0	809	11,024	0
Other .....	37,734	542	1,921	14,276	12,727	8,268
<b>Total .....</b>	<b>102,324</b>	<b>16,100</b>	<b>6,288</b>	<b>47,167</b>	<b>24,495</b>	<b>8,274</b>
<b>All species .....</b>	<b>1,794,886</b>	<b>472,295</b>	<b>139,725</b>	<b>847,334</b>	<b>321,616</b>	<b>13,916</b>

<sup>1</sup> International 1/4-inch rule. Data may not add to totals because of rounding. <sup>2</sup> Includes Hawaii. FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-30.—Timber volume: Net volume of sawtimber on timberland in the East, by regions and species, Jan. 1, 1996<sup>1</sup>**

Species	Total East	North			South		
		Total	Northeast	North Central	Total	Southeast	South Central
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>							
Longleaf and slash pines	54,280	0	0	0	54,280	34,512	19,768
Loblolly and shortleaf pines .....	275,854	4,445	1,952	2,493	271,409	96,186	175,223
Other yellow pines .....	33,095	4,938	4,092	846	28,157	19,115	9,042
White and red pines .....	67,091	57,840	36,641	21,199	9,251	7,979	1,272
Jack pine .....	4,195	4,195	35	4,160	0	0	0
Spruce and balsam fir .....	30,102	30,022	20,434	9,588	80	80	0
Eastern hemlock .....	29,806	27,205	22,095	5,110	2,601	1,779	822
Cypress .....	24,656	152	15	137	24,504	14,016	10,488
Other .....	20,344	17,442	6,299	11,143	2,902	1,200	1,702
<b>Total .....</b>	<b>539,423</b>	<b>146,239</b>	<b>91,563</b>	<b>54,676</b>	<b>393,184</b>	<b>174,867</b>	<b>21 8,317</b>
<b>Hardwoods:</b>							
Select white oaks .....	90,351	38,343	12,799	25,544	52,008	23,157	28,851
Select red oaks .....	78,236	48,582	27,463	21,119	29,654	11,737	17,917
Other white oaks .....	53,997	14,424	10,528	3,896	39,573	18,716	20,857
Other red oaks .....	128,701	33,441	14,599	18,842	95,260	39,930	55,330
Hickory .....	47,734	15,756	6,649	9,107	31,978	10,327	21,651
Yellow birch .....	9,467	9,220	6,955	2,265	247	235	12
Hard maple .....	54,904	50,015	30,336	19,679	4,889	1,310	3,579
Soft maple .....	68,782	51,678	34,551	17,127	17,104	12,657	4,447
Beech .....	27,790	18,594	14,426	4,168	9,196	3,065	6,131
Sweetgum .....	64,140	3,148	1,354	1,794	60,992	17,031	43,961
Tupelo and black gum .....	57,861	3,427	1,204	2,223	54,434	21,329	33,105
Ash .....	113,916	35,575	11,740	23,835	78,341	34,848	43,493
Basswood .....	65,143	20,039	4,698	15,341	45,104	21,801	23,303
Yellow-poplar .....	231,176	50,740	17,497	33,243	180,436	73,778	106,658
Cottonwood and aspen .....	159,429	44,764	7,440	37,324	114,665	55,752	58,913
Black walnut .....	15,171	4,093	743	3,350	11,078	4,959	6,119
Black cherry .....	79,946	33,755	13,843	19,912	46,191	22,573	23,618
Other .....	169,342	44,105	12,679	31,426	125,237	51,028	74,209
<b>Total .....</b>	<b>1,516,086</b>	<b>519,699</b>	<b>229,504</b>	<b>290,195</b>	<b>996,387</b>	<b>424,233</b>	<b>572,154</b>
<b>All species .....</b>	<b>2,055,509</b>	<b>665,938</b>	<b>321,067</b>	<b>344,871</b>	<b>1,389,571</b>	<b>599,100</b>	<b>790,471</b>

<sup>1</sup> International 1/4-inch rule. Data may not add to totals because of rounding. FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-31.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 1989–98**

Year <sup>1</sup>	Timber cut <sup>2</sup>		Value of miscellaneous forest products <sup>4</sup>	Total value including free-use timber
	Volume	Value <sup>3</sup>		
	<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1989 .....	11,951	1,309,732	2,239	1,313,186
1990 .....	10,500	1,187,618	2,580	1,191,209
1991 .....	8,475	1,008,586	2,747	1,012,342
1992 .....	7,290	934,504	2,655	937,991
1993 .....	5,917	914,646	2,791	918,225
1994 .....	4,815	783,038	3,138	796,926
1995 .....	3,866	616,117	2,935	619,732
1996 .....	3,725	544,349	3,262	619,732
1997 .....	3,285	497,957	3,262	619,732
1998 .....	3,298	445,774	1,135	619,732

<sup>1</sup>Fiscal years Oct. 1–Sept. 30. <sup>2</sup>Commercial and cost sales and land exchanges. <sup>3</sup>Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. <sup>4</sup>Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231–9376.

**Table 12-32.—National Forest System: National Forest System lands and other lands in States and Territories, Sept. 30, 1998**

State or other area	Gross acreage	National Forest System acreage <sup>1</sup>	Other acreage <sup>2</sup>	State or other area	Gross acreage	National Forest System acreage <sup>1</sup>	Other acreage <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>		<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL .....	1,288	665	623	NM .....	10,367	9,327	1,040
AK .....	24,355	21,974	2,381	NY .....	16	16	0
AZ .....	11,891	11,255	636	NC .....	3,166	1,244	1,922
AR .....	3,539	2,579	960	ND .....	1,106	1,106	( <sup>3</sup> )
CA .....	24,403	20,653	3,750	OH .....	835	229	606
CO .....	16,052	14,509	1,543	OK .....	772	397	375
CT .....	0	0	0	OR .....	17,496	15,656	1,840
FL .....	1,379	1,147	232	PA .....	743	513	230
GA .....	1,856	865	991	SC .....	1,375	613	762
HI .....	0	0	0	SD .....	2,367	2,012	355
ID .....	21,655	20,459	1,196	TN .....	1,212	634	578
IL .....	856	292	564	TX .....	1,994	755	1,239
IN .....	644	196	448	UT .....	9,211	8,111	1,100
KS .....	116	108	8	VT .....	817	368	449
KY .....	2,102	693	1,409	VA .....	3,224	1,659	1,565
LA .....	1,024	604	420	WA .....	10,088	9,202	886
ME .....	93	53	40	WV .....	1,870	1,033	837
MI .....	4,895	2,857	2,038	WI .....	2,023	1,521	502
MN .....	5,467	2,838	2,629	WY .....	9,704	9,238	466
MS .....	2,310	1,159	1,151	PR .....	56	28	28
MO .....	3,060	1,495	1,565	VI .....	0	0	0
MT .....	19,104	16,886	2,218	Total .....	232,075	191,854	40,221
NE .....	442	352	90				
NV .....	6,275	5,826	449				
NH .....	827	727	100				

<sup>1</sup> *National Forest System acreage*.—A nationally significant system of Federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas, water areas, and interests in lands that are administered by USDA Forest Service or designated for administration through the Forest Service.

National forests.—Units formally established and permanently set aside and reserved for national forest purposes.

Purchase units.—Units designated by the Secretary of Agriculture or previously approved by the National Forest Reservation Commission for purposes of Weeks Law Acquisition.

National grasslands.—Units designated by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.

Land utilization projects.—Units designated by the Secretary of Agriculture for conservation and utilization under Title III of the Bankhead-Jones Farm Tenant Act.

Research and experimental areas.—Units reserved and dedicated by the Secretary of Agriculture for forest or range research and experimentation.

Other areas.—Units administered by the Forest Service that are not included in the above groups. <sup>2</sup> *Other acreage*.—Lands within the unit boundaries in private, State, county, and municipal ownership and Federal lands over which the Forest Service has no jurisdiction. Areas of such lands which have been offered to the United States and have been approved for acquisition and subsequent Forest Service administration, but to which title had not yet been accepted by the United States. <sup>3</sup> Less than 500 acres.

FS, Timber, Demand and Technology Assessment, RWU-4851, (608) 231–9376.

**Table 12-33.—National Forest System lands: Receipts, United States and Puerto Rico, fiscal years 1989–98**

Year <sup>1</sup>	From the use of timber <sup>2</sup>	From the use of grazing	From special land uses, water power, etc.	Total <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1989 .....	909,517	10,950	130,349	1,050,816
1990 .....	849,468	10,419	111,500	971,387
1991 .....	667,073	11,457	93,114	771,644
1992 .....	520,003	10,780	83,505	614,288
1993 .....	425,105	10,518	67,955	503,578
1994 .....	431,615	11,056	72,196	514,867
1995 .....	303,046	8,756	74,943	386,745
1996 .....	195,000	7,352	71,183	273,535
1997 .....	197,194	6,972	80,588	284,754
1998 .....	207,938	6,992	78,869	293,799

<sup>1</sup> Fiscal years Oct. 1–Sept. 30. <sup>2</sup> Includes receipts from Oregon and California Railroad Grant Lands. FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-34.—National forests: Payments to States and Puerto Rico from receipts from timber sales, grazing fees, and miscellaneous uses, fiscal years 1996–98<sup>1 2</sup>**

State or other areas	1996	1997	1998	State or other areas	1996	1997	1998
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL .....	2,050	964	1,133	NM .....	653	923	854
AK .....	5,906	1,187	1,820	NY .....	6	6	2
AZ .....	1,632	2,215	2,113	NC .....	692	654	594
AR .....	6,648	5,954	6,584	ND .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
CA .....	36,158	33,963	30,533	OH .....	11	16	2
CO .....	5,956	4,388	5,045	OK .....	883	1,017	1,034
FL .....	1,066	1,000	1,435	OR .....	95,239	92,243	85,505
GA .....	908	697	328	PA .....	6,207	5,998	5,800
ID .....	17,458	14,267	12,468	SC .....	960	1,292	557
IL .....	28	17	394	SD .....	2,350	3,814	3,683
IN .....	7	26	138	TN .....	319	440	327
KY .....	494	433	255	TX .....	4,337	2,264	5,621
LA .....	2,736	2,949	2,361	UT .....	1,831	1,599	1,512
ME .....	35	30	37	VT .....	257	226	436
MI .....	2,384	2,759	2,996	VA .....	622	790	767
MN .....	3,179	2,922	3,412	WA .....	29,429	28,425	27,073
MS .....	8,276	4,919	5,399	WV .....	1,861	1,624	1,944
MO .....	1,232	1,149	1,237	WI .....	1,621	1,861	2,166
MT .....	9,383	8,558	10,367	WY .....	1,844	1,849	2,184
NE .....	31	32	33	PR .....	21	23	24
NV .....	299	388	330	Total .....	255,719	234,321	229,032
NH .....	510	440	549				

<sup>1</sup> Fiscal years Oct. 1–Sept. 30. <sup>2</sup> Payments under the acts of May 23, 1908 (as amended), July 24, 1956, and Oct. 22, 1976, are 25 percent of total receipts remaining after deducting (a) payments to Arizona and New Mexico on account school section lands administered by Forest Service, (b) appropriations of receipts under laws authorizing such appropriations for acquisition of lands in specified national forests or portions thereof, and (c) receipts from an area of the Superior National Forest, Minnesota, on account of which the State (for the counties) is paid 0.75 percent of the appraised valuation in lieu of 25 percent of the receipts. Payments made in the following year. <sup>3</sup> Less than \$500. FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-35.—Livestock on National Forest System lands: Number grazed and grazing receipts, United States, 1989–98**

Year	Number grazed <sup>1</sup>		Receipts from grazing <sup>2</sup>
	Cattle, horses, and burros	Sheep and goats	
	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>
1989 .....	1,526	972	10,950
1990 .....	1,236	958	10,419
1991 .....	1,265	1,029	11,457
1992 .....	1,408	1,183	10,780
1993 .....	1,318	1,111	10,518
1994 .....	1,229	941	11,056
1995 .....	1,227	940	8,756
1996 .....	1,174	868	7,352
1997 .....	1,225	932	6,972
1998 .....	1,208	909	6,992

<sup>1</sup> Calendar year data for number actually grazed. <sup>2</sup> Fiscal years Oct. 1–Sept. 30. FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-36.—Livestock on National Forest System lands: Number grazed and grazing receipts for fiscal year 1998, by States**

State or other area	Head months <sup>1</sup>		Receipts from grazing, 1992 <sup>2</sup>
	Cattle, horses, and burros	Sheep and goats	
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>
AL .....	303	0	618.80
AZ .....	723,978	47,385	1,647,141.56
AR .....	4,160	0	39,044.80
CA .....	293,376	155,700	592,633.14
CO .....	593,907	445,914	1,310,956.54
FL .....	600	0	18,885.00
GA .....	3,091	0	8,080.13
ID .....	442,272	532,074	977,513.91
IL .....	101	0	166.63
KS .....	34	0	0.00
KY .....	31,905	0	25,700.98
LA .....	15,916	0	25,718.78
MI .....	1,752	0	1,557.46
MN .....	41	0	136.41
MS .....	2,705	0	3,426.08
MO .....	26,850	0	27,154.21
MT .....	420,212	49,335	820,928.80
NE .....	105,479	0	158,367.34
NV .....	155,020	166,744	402,126.96
NM .....	749,223	79,974	1,235,863.58
NY .....	7,751	0	56.79
ND .....	391,513	0	443,840.30
OH .....	709	0	961.38
OK .....	19,523	0	28,620.18
OR <sup>3</sup> .....	335,644	64,966	618,786.04
SD .....	389,493	19,321	547,594.81
TX .....	32,469	0	97,788.34
UT .....	335,358	513,261	836,937.32
VT .....	108	0	0.00
VA .....	6,656	0	10,694.21
WA .....	65,643	35,456	169,044.36
WV .....	5,688	321	18,585.00
WY .....	433,442	369,419	709,486.02
National forests .....	5,594,922	2,479,870	9,464,412.41
National grasslands and land utilization project land .....			1,314,322.64
Total .....	5,594,922	2,479,870	10,778,735.05

<sup>1</sup> A head month is the billing unit for permitted grazing and is equal to 1 month's occupancy. <sup>2</sup> 1992 is the most recent year for which grazing receipts by state are available. <sup>3</sup> Figure does not include \$2,285.44 receipts from Oregon & CA Railroad Grant.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-37.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 1989–98**

Year	Douglas-fir <sup>1</sup>	Southern pine <sup>2</sup>	Ponderosa pine <sup>3</sup>	Western hemlock <sup>4</sup>	All eastern hardwoods <sup>5</sup>	Oak, white, red, and black <sup>5</sup>	Maple, sugar <sup>6</sup>
	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>
1989	389.80	131.40	292.00	223.30	135.80	178.90	128.60
1990	466.40	126.70	252.20	203.00	146.10	188.30	135.30
1991	395.00	166.10	237.60	164.10	160.10	163.60	120.70
1992	477.20	198.40	292.30	164.60	166.60	211.20	144.60
1993	317.75	217.21	535.17	363.66	264.06	194.57	219.52
1994	652.36	265.85	291.35	334.80	352.07	317.40	313.37
1995	453.54	248.49	149.94	297.09	313.92	296.59	285.57
1996	453.04	251.05	269.97	289.30	312.57	264.44	213.20
1997	331.40	307.30	270.20	211.30	286.88	264.50	357.12
1998	254.20	287.80	204.90	161.40	240.90	270.20	394.80

<sup>1</sup>Western Washington and western Oregon. <sup>2</sup>Southern region. <sup>3</sup>Pacific Southwest region. Includes Jeffrey pine. <sup>4</sup>Pacific Northwest region. <sup>5</sup>Eastern and Southern regions. <sup>6</sup>Eastern region.

Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern States where International 1/4-inch log rule is used. Prices include KV payments; exclude timber sold by land exchanges and from land utilization project lands. Data for 1983 are statistical high bid prices; beginning in 1984, data are high bid prices which include specified road costs.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-38.—National Forest System lands: Number of visitor-days, 1986–96, by activity, States, and Puerto Rico, 1996<sup>1</sup>**

Year and activity	Visitor-days	Percent	1997			
			State or other area	Visitor-days	State or other area	Visitor-days
				<i>Thousands</i>		<i>Thousands</i>
1986	226,533		AL	689	NH	3,354
1987	238,458		AK	6,962	NM	9,326
1988	242,316		AZ	35,000	NY	39
1989	252,495		AR	2,210	NC	6,979
1990	263,051		CA	71,165	ND	133
1991	278,849		CO	30,971	OH	524
1992	287,690		FL	2,960	OK	393
1993	295,473		GA	2,925	OR	37,029
1994	330,348		ID	15,365	PA	3,268
1995	345,083		IL	1,188	SC	1,011
1996	341,200		IN	684	SD	3,571
1996 activity:			KS	86	TN	3,309
Mechanized travel and viewing scenery	122,141	35.8	KY	2,326	TX	2,302
Camping, picnicking and swimming	87,082	25.5	LA	599	UT	19,378
Hiking, horseback riding and water travel	33,099	9.7	ME	158	VT	1,395
Winter sports	19,708	5.8	MI	4,866	VA	4,927
Hunting	19,384	5.7	MN	5,982	WA	24,797
Resorts, cabins and organization camps	17,702	5.2	MS	1,828	WV	1,499
Fishing	18,160	5.3	MO	2,518	WI	2,527
Nature studies	3,299	1.0	MT	13,495	WY	9,114
Other <sup>2</sup>	20,627	6.0	NE	320	PR	171
			NV	3,857		
Total <sup>3</sup>	341,200	100.0			Total <sup>3</sup>	341,200

<sup>1</sup>Recreational use of national forest land and water that aggregates 12 visitor-hours. This may entail one person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. Fiscal years Oct. 1–Sept. 30. <sup>2</sup>Includes team sports, gathering forest products, attending talks and programs, and other uses. <sup>3</sup>Data may not add to total because of rounding.

FS, Timber Demand and Technology Assessment, RWU -4851 (608) 231-9376.

**Table 12-39.—Timber products: Production, imports, exports, and consumption, United States, 1989–97<sup>1</sup>**

Year	Industrial roundwood used for—												
	Lumber				Plywood and veneer				Pulp products				
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports <sup>2</sup>	Exports <sup>2</sup>	Consumption	
	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>
1989	7,206	2,206	628	8,785	1,406	115	98	1,423	4,875	1,017	639	5,253	
1990	6,892	1,890	564	8,219	1,368	96	110	1,354	4,645	949	648	4,967	
1991	6,444	1,695	593	7,546	1,216	83	95	1,204	4,844	929	741	5,032	
1992	6,793	1,944	537	8,200	1,265	100	107	1,168	4,980	930	802	5,108	
1993	6,636	2,223	506	8,353	1,257	101	101	1,257	4,899	995	736	5,157	
1994	7,323	2,420	482	9,261	1,310	94	87	1,317	5,418	1,151	782	5,787	
1995	7,034	2,556	461	9,129	1,297	108	91	1,314	5,536	1,232	897	5,870	
1996	7,028	2,615	471	9,172	1,284	122	87	1,319	5,796	1,262	925	6,133	
1997	7,103	2,620	602	9,122	1,211	114	103	1,222	5,859	1,307	926	6,241	

Year	Industrial roundwood used for—Continued										Fuelwood production and consumption	Production, all products	Consumption, all products
	Other industrial products, <sup>4</sup> production and consumption	Logs		Pulpwood chip exports	Total								
		Imports	Exports		Production	Imports	Exports	Consumption					
	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>
1989 .....	510	6	753	123	14,664	3,455	2,244	16,694	3,041	18,580	19,735		
1990 .....	516	4	674	123	14,124	3,054	2,103	15,825	3,019	17,941	18,844		
1991 .....	512	2	601	179	13,741	2,807	2,218	15,064	3,029	17,550	18,092		
1992 .....	526	7	525	220	14,384	3,095	2,196	15,987	3,043	18,171	19,031		
1993 .....	525	15	460	195	14,189	3,470	2,005	16,268	3,083	17,928	19,352		
1994 .....	556	18	429	212	14,607	3,710	1,992	16,922	3,134	18,381	20,056		
1995 .....	567	13	451	249	14,434	3,965	2,149	16,881	3,194	18,327	20,074		
1996 .....	500	18	422	416	15,446	4,071	2,321	17,196	3,420	18,866	20,616		
1997 .....	485	20	329	422	15,409	4,109	2,382	17,137	3,483	18,892	20,620		

<sup>1</sup> Data may not add to totals because of rounding. <sup>2</sup> Includes both pulpwood and the pulpwood equivalent of woodpulp, paper, and board. <sup>3</sup> Roundwood equivalent. <sup>4</sup> Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.  
 FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376.

**Table 12-40.—Lumber: Production, United States, 1989–98**

Year	Total	Softwoods	Hardwoods
	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>
1989 .....	48,533	37,545	10,988
1990 .....	46,495	35,791	10,704
1991 .....	43,374	33,161	10,213
1992 .....	45,736	34,526	11,210
1993 .....	45,117	33,346	11,771
1994 .....	43,743	32,725	11,018
1995 .....	44,400	31,966	12,434
1996 .....	46,778	33,932	12,846
1997 .....	47,400	34,500	12,900
1998 .....	48,300	34,800	13,500

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231-9376. From data published by the American Forest and Paper Association.

**Table 12-41.—Timber products: Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 1989–98<sup>1</sup>**

Year	Pulpwood consumption <sup>2</sup>	Woodpulp production <sup>3</sup>	Paper and board <sup>4</sup>		
			Production	Consumption or new supply <sup>5</sup>	Per capita consumption
	<i>1,000 cords<sup>6</sup></i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
1989 .....	92,615	61,996	76,785	(7) 85,373	690
1990 .....	92,561	63,048	78,679	(7) 86,796	695
1991 .....	91,925	63,635	79,426	(7) 85,071	673
1992 .....	93,643	65,338	82,868	88,273	691
1993 .....	90,996	64,132	84,858	91,538	709
1994 .....	93,259	65,788	89,080	95,718	736
1995 .....	97,271	66,981	89,534	96,062	731
1996 .....	90,368	65,391	90,362	94,490	711
1997 .....	92,799	66,543	95,031	99,637	744
1998 .....	91,376	65,022	94,450	101,316	750

<sup>1</sup> Revised to match data from American Forest and Paper Association and American Pulpwood Association. <sup>2</sup> Includes changes in stocks. <sup>3</sup> Excludes defibrated and exploded woodpulp used for hard pressed board. <sup>4</sup> Excludes hard-board. <sup>5</sup> Production plus imports and minus exports (excludes products); changes in inventories not taken into account. <sup>6</sup> One cord equals 128 cubic feet. <sup>7</sup> Imports and exports 1989–1991 exclude insulating board.

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231–9376. Compiled from U.S. Department of Commerce and American Forest and Paper Association.

**Table 12-42.—Timber products: Producer price indexes, selected products, United States, 1989–98 [1982=100]**

Year	Lumber	Softwood plywood	Woodpulp	Paper	Paperboard
1989 .....	90.8	84.5	131.4	105.3	104.2
1990 .....	86.9	81.4	126.3	104.6	101.0
1991 .....	86.9	82.2	99.5	103.1	96.9
1992 .....	100.0	100.0	100.0	100.0	100.0
1993 .....	124.9	115.4	87.0	100.6	96.7
1994 .....	127.1	120.3	97.2	102.2	104.3
1995 .....	112.7	128.0	152.9	129.2	136.2
1996 .....	114.1	118.3	111.7	121.4	116.1
1997 .....	123.7	119.3	107.2	116.8	107.7
1998 .....	110.9	119.1	102.3	118.6	112.9

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231–9376. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

**Table 12-43.—Timber products: Structural panels, LVL, and lumber production, United States, 1989–98**

Year	Laminated veneer lumber <sup>1</sup>	Oriented strand board	Plywood	Medium-density fiberboard	Lumber	
					Hardwood	Softwood <sup>2</sup>
	<i>Million cubic meters</i>	<i>Million cubic meters</i>	<i>Million cubic meters</i>	<i>Million cubic meters</i>	<i>Million cubic meters</i>	<i>Million cubic meters</i>
1989 .....	0.34	144.56	18.94	1.72	17.7	63.8
1990 .....	0.45	153.42	18.32	1.68	17.0	60.8
1991 .....	0.51	158.94	16.55	1.70	16.0	56.4
1992 .....	0.57	188.39	17.11	1.89	16.8	58.7
1993 .....	0.71	198.28	17.09	2.05	25.0	56.0
1994 .....	0.79	211.98	16.87	2.21	26.0	58.0
1995 .....	0.98	223.79	17.14	1.96	29.3	54.8
1996 .....	1.12	263.74	16.98	2.17	30.2	57.7
1997 .....	1.08	298.29	15.90	2.45	30.4	58.7
1998 .....	1.31	317.91	15.73	2.76	31.9	59.2

<sup>1</sup> Prior to 1994, data are estimates from various articles and reports. <sup>2</sup> Revised due to softwood conversion factor of 1.7 (2.36 was previously used).

FS, Timber Demand and Technology Assessment, RWU-4851, (608) 231–9376.