

Table 1. Cropland Acres<sup>1</sup> (1,000's) With an Erodibility Index (EI)<sup>2</sup> ≤ or > 8 on Nonfederal Rural Land.

Farming region  
and state

	<u>EI ≤ 8</u>	<u>EI &gt; 8</u>	<u>Total</u>
<b>NORTHEAST</b>			
Connecticut	172	65	238
Delaware	488	32	521
Maine	735	208	943
Maryland	1,175	619	1,794
Massachusetts	205	85	290
New Hampshire	111	52	163
New Jersey	454	218	672
New York	3,885	1,888	5,774
Pennsylvania	1,854	3,919	5,774
Rhode Island	18	3	21
Vermont	469	183	653
Region	9,570	7,276	16,847
<b>APPALACHIA</b>			
Kentucky	2,758	3,059	5,817
North Carolina	4,732	1,815	6,548
Tennessee	3,172	2,592	5,764
Virginia	1,816	1,492	3,308
West Virginia	482	569	1,052
Region	12,961	2,062	22,492
<b>SOUTHEAST</b>			
Alabama	3,108	1,101	4,209
Florida	3,449	142	3,591
Georgia	5,379	927	6,306
South Carolina	2,922	449	3,371
Region	14,859	2,620	17,479
<b>LAKE STATES</b>			
Michigan	8,830	653	9,483
Minnesota	21,322	1,668	22,990
Wisconsin	8,149	3,520	11,670
Region	38,302	5,842	44,143
<b>CORN BELT</b>			
Illinois	20,894	4,227	25,121
Indiana	11,950	1,980	13,930
Iowa	18,532	8,498	27,031
Missouri	9,120	5,969	15,089
Ohio	10,202	2,335	12,537
Region	70,698	23,010	93,708
<b>DELTA STATES</b>			
Arkansas	7,588	592	8,181
Louisiana	6,137	346	6,484
Mississippi	5,478	1,599	7,078
Region	19,205	2,538	21,744

	<u>EI &lt; 8</u>	<u>EI &gt; 8</u>	<u>Total</u>
<b>NORTHERN PLAINS</b>			
Kansas	18,888	10,231	29,119
Nebraska	13,866	6,734	20,601
North Dakota	25,429	2,634	28,063
South Dakota	<u>16,294</u>	<u>1,524</u>	<u>17,819</u>
Region	74,477	21,124	95,603
<b>SOUTHERN PLAINS</b>			
Oklahoma	6,850	4,706	11,557
Texas	<u>19,311</u>	<u>12,633</u>	<u>31,944</u>
Region	26,161	17,339	43,501
<b>MOUNTAIN</b>			
Arizona	393	912	1,306
Colorado	2,701	8,265	10,967
Idaho	4,285	2,246	6,531
Montana	7,436	10,444	17,881
Nevada	539	394	888
New Mexico	705	1,590	2,296
Utah	1,102	898	2,001
Wyoming	<u>1,136</u>	<u>1,225</u>	<u>2,361</u>
Region	18,301	25,978	44,235
<b>PACIFIC</b>			
California	9,053	1,155	10,208
Oregon	3,219	1,128	4,347
Washington	<u>4,841</u>	<u>2,916</u>	<u>7,758</u>
Region	17,114	5,200	22,314

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Source: 1987 National Resource Inventory (NRI)

<sup>1</sup> - Represents the 48 contiguous states.

<sup>2</sup> Erodibility Index (EI) =  $RKLS/T$ ; where,  
R = Interpolated rainfall factor of the Universal Soil Loss Equation  
K = Soil erosiveness factor  
L = Slope length factor  
S = Gradient factor  
T = Tolerable annual soil loss

Table 2. Total Nonfederal Pasture and Rangeland Acres<sup>1</sup> (1,000's)  
and Acres With High and Medium Potential for Conversion  
to Cropland or Agroforestry (Based upon the 1982 NRI).

Farming region and state	Total Acres		Pastureland		Rangeland	
	Pastureland	Rangeland	High	Medium	High	Medium
<b>NORTHEAST</b>						
Connecticut	114.0	0	26.8	41.9	0	0
Delaware	35.2	0	11.4	13.7	0	0
Maine	569.0	0	60.9	164.4	0	0
Maryland	534.1	0	70.4	129.1	0	0
Massachusetts	201.6	0	20.4	64.2	0	0
New Hampshire	124.5	0	22.1	18.9	0	0
New Jersey	239.6	0	15.7	42.9	0	0
New York	3,871.6	0	285.6	1,381.0	0	0
Pennsylvania	2,592.6	0	342.9	793.6	0	0
Rhode Island	35.9	0	2.0	4.4	0	0
Vermont	500.7	0	64.0	118.8	0	0
Region	8,819.0	0	922.2	2,772.9	0	0
<b>APPALACHIA</b>						
Kentucky	5,879.8	0	969.4	1,608.6	0	0
North Carolina	1,980.2	0	275.7	707.5	0	0
Tennessee	5,355.6	0	1,040.5	1,450.2	0	0
Virginia	3,392.0	0	233.0	823.7	0	0
West Virginia	1,869.1	0	112.1	547.4	0	0
Region	18,476.7	0	2,630.7	5,137.4	0	0
<b>SOUTHEAST</b>						
Alabama	3,186.6	0	814.5	1,477.3	0	0
Florida	4,273.2	3,803.9	419.5	1,658.9	86.5	1,009.3
Georgia	2,976.6	0	546.5	979.3	0	0
South Carolina	1,208.0	0	120.1	416.2	0	0.3
Region	12,274.4	3,803.9	1,900.6	4,531.7	86.5	1,009.0
<b>LAKE STATES</b>						
Michigan	2,911.0	0	438.8	856.0	0	0
Minnesota	3,589.8	198.5	686.2	1,119.0	10.9	37.1
Wisconsin	3,394.2	0	531.4	805.1	0	0
Region	9,895.0	198.5	1,656.4	2,780.1	10.9	37.1
<b>CORN BELT</b>						
Illinois	3,157.3	0	469.3	860.9	0	0
Indiana	2,211.9	0	420.2	638.8	0	0
Iowa	4,536.1	0	783.7	1,457.7	0	0
Missouri	12,573.0	167.8	2,367.1	4,690.6	47.8	32.4
Ohio	2,713.9	0	388.8	718.5	0	0
Region	25,192.2	167.8	4,429.1	8,366.4	47.8	32.4
<b>DELTA STATES</b>						
Arkansas	5,793.8	164.6	438.5	1,745.9	2.5	7.3
Louisiana	2,368.5	241.3	446.0	743.6	0.7	11.0
Mississippi	3,975.2	0	630.2	1,129.8	0	0
Region	12,137.5	405.9	1,514.7	3,619.3	3.2	18.3

	Total Acres		Pastureland		Rangeland	
	Pastureland	Rangeland	High	Medium	High	Medium
<b>NORTHERN PLAINS</b>						
Kansas	2,240.9	16,908.9	416.3	878.3	1,139.4	3,217.1
Nebraska	2,125.3	23,095.7	378.9	777.4	645.6	3,724.0
North Dakota	1,271.9	10,948.4	230.5	422.1	467.5	1,935.6
South Dakota	<u>2,703.0</u>	<u>22,783.6</u>	<u>581.8</u>	<u>1,204.0</u>	<u>689.1</u>	<u>3,688.6</u>
Region	8,341.1	73,736.6	1,607.5	3,281.8	2,941.6	12,565.2
<b>SOUTHERN PLAINS</b>						
Oklahoma	7,137.9	15,059.6	733.1	2,134.3	727.6	2,514.9
Texas	<u>17,042.8</u>	<u>95,353.1</u>	<u>1,390.3</u>	<u>4,666.0</u>	<u>2,490.0</u>	<u>11,273.7</u>
Region	24,180.7	110,412.7	2,123.4	6,800.3	3,217.6	13,788.6
<b>MOUNTAIN</b>						
Arizona	79.3	30,948.2	42.3	32.0	329.7	1,703.3
Colorado	1,259.7	24,222.5	84.1	232.6	277.1	1,775.7
Idaho	1,274.2	6,732.9	118.1	417.0	114.4	386.9
Montana	3,036.0	37,837.0	438.2	1,023.2	753.4	3,668.8
Nevada	304.4	7,907.8	16.4	77.1	46.5	169.9
New Mexico	163.3	40,981.9	19.1	32.1	177.9	947.8
Utah	490.3	8,489.3	28.2	142.1	39.0	191.6
Wyoming	<u>754.8</u>	<u>26,915.1</u>	<u>96.2</u>	<u>313.8</u>	<u>185.8</u>	<u>1,444.3</u>
Region	7,362.0	184,034.7	842.6	2,269.9	1,923.8	10,288.3
<b>PACIFIC</b>						
California	1,392.5	18,124.6	210.7	423.7	318.0	1,123.0
Oregon	1,965.9	9,392.0	244.3	503.5	67.4	612.5
Washington	<u>1,344.6</u>	<u>5,637.0</u>	<u>177.3</u>	<u>512.6</u>	<u>147.6</u>	<u>539.1</u>
Region	4,703.0	33,153.6	632.3	1,439.8	533.0	2,274.6

Source: USDA. 1990. The Second RCA Appraisal, USDA Miscellaneous Publication #1482, 280 p.

<sup>1</sup> - Represents the 48 contiguous states.

Table 3. Total Nonfederal Forestland Acres<sup>1</sup> (1,000's) and Acres with High and Medium Potential for Production of Specialty Products (Based upon 1982 NRI).

Farming region and state	Total Acres	Conversion Rating	
		High	Medium
<b>NORTHEAST</b>			
Connecticut	1,828.3	40.9	181.3
Delaware	347.6	23.6	205.0
Maine	16,770.3	80.9	423.9
Maryland	2,425.3	48.9	258.2
Massachusetts	2,970.1	14.6	98.7
New Hampshire	4,085.1	6.9	93.5
New Jersey	1,848.4	33.1	129.4
New York	16,516.9	61.5	738.8
Pennsylvania	15,300.3	198.3	1,065.2
Rhode Island	405.5	36.7	136.6
Vermont	16,584.3	36.7	136.6
Region	66,584.3	545.4	3,351.7
<b>APPALACHIA</b>			
Kentucky	10,158.2	150.0	522.4
North Carolina	16,728.5	1,150.3	4,155.6
Tennessee	11,529.1	402.0	1,044.4
Virginia	13,625.3	278.4	1,996.8
West Virginia	10,422.5	24.5	605.4
Region	62,463.6	2,005.2	8,324.5
<b>SOUTHEAST</b>			
Alabama	20,633.3	498.7	2,287.3
Florida	12,430.1	185.4	1,020.7
Georgia	21,883.6	774.5	2,438.9
South Carolina	11,025.5	117.0	1,070.1
Region	65,972.5	1,575.6	6,817.0
<b>LAKE STATES</b>			
Michigan	15,359.7	237.6	1,465.1
Minnesota	13,956.3	401.0	2,060.3
Wisconsin	13,392.8	202.2	1,265.4
Region	42,708.8	840.8	4,790.8
<b>CORN BELT</b>			
Illinois	3,429.4	142.2	480.6
Indiana	3,639.9	229.8	578.4
Iowa	1,756.2	45.9	219.7
Missouri	10,985.6	270.7	1,216.0
Ohio	6,380.2	249.4	829.4
Region	26,191.3	938.0	3,324.1
<b>DELTA STATES</b>			
Arkansas	14,339.8	251.3	979.0
Louisiana	12,895.0	390.2	1,733.5
Mississippi	15,242.7	400.0	1,333.1
Region	42,477.5	1,041.5	4,045.6
<b>NORTHERN PLAINS</b>			
Kansas	626.2	15.5	68.7
Nebraska	732.1	19.3	58.0
North Dakota	438.2	17.7	84.5
South Dakota	561.6	1.3	4.9
Region	2,358.1	53.8	216.1

	Total Acres	Conversion Rating	
		High	Medium
<b>SOUTHERN PLAINS</b>			
Oklahoma	6,538.7	42.6	364.9
Texas	<u>9,323.6</u>	<u>35.4</u>	<u>449.6</u>
Region	15,862.3	78.0	814.5
<b>MOUNTAIN</b>			
Arizona	4,760.2	0.0	2.2
Colorado	4,030.1	1.6	17.7
Idaho	3,977.1	23.7	139.9
Montana	5,228.0	2.2	47.3
Nevada	356.6	0.0	0.0
New Mexico	4,733.9	0.0	0.1
Utah	3,234.6	0.0	3.3
Wyoming	<u>987.1</u>	<u>0.5</u>	<u>2.7</u>
Region	27,307.6	28.0	213.2
<b>PACIFIC</b>			
California	15,217.8	23.8	86.3
Oregon	11,889.2	11.1	177.0
Washington	<u>12,690.3</u>	<u>109.3</u>	<u>1,574.2</u>
Region	39,797.3	144.2	1,837.5

Source: USDA. 1990. The Second RCA Appraisal, USDA Miscellaneous Publication #1482, 280 p.

<sup>1</sup> - Represents the 48 contiguous states.

Table 4. Orchard (fruit and nut) and other Horticultural (vineyard, bush fruit and berry) Acres' (1,000's) on Nonfederal Rural Land.

Farming region  
and state

	<u>Orchard</u>	<u>Other Horticultural</u>
<b>NORTHEAST</b>		
Connecticut	4	12
Delaware	0	1
Maine	14	0
Maryland	10	5
Massachusetts	16	2
New Hampshire	8	0
New Jersey	30	2
New York	187	26
Pennsylvania	99	33
Rhode Island	1	4
Vermont	<u>8</u>	<u>0</u>
Region	377	85
<b>APPALACHIA</b>		
Kentucky	9	6
North Carolina	40	17
Tennessee	13	40
Virginia	51	13
West Virginia	<u>42</u>	<u>3</u>
Region	155	79
<b>SOUTHEAST</b>		
Alabama	48	7
Florida	1,009	64
Georgia	233	17
South Carolina	<u>71</u>	<u>5</u>
Region	1,361	93
<b>LAKE STATES</b>		
Michigan	210	22
Minnesota	4	20
Wisconsin	<u>31</u>	<u>9</u>
Region	245	51
<b>CORN BELT</b>		
Illinois	27	13
Indiana	13	12
Iowa	9	7
Missouri	18	7
Ohio	<u>32</u>	<u>29</u>
Region	99	68
<b>DELTA STATES</b>		
Arkansas	17	0
Louisiana	40	8
Mississippi	<u>33</u>	<u>11</u>
Region	90	19

	<u>Orchard</u>	<u>Other Horticultural</u>
<b>NORTHERN PLAINS</b>		
Kansas	5	5
Nebraska	3	0
North Dakota	0	0
South Dakota	6	0
Region	<u>14</u>	<u>5</u>
<b>SOUTHERN PLAINS</b>		
Oklahoma	38	9
Texas	191	36
Region	<u>229</u>	<u>45</u>
<b>MOUNTAIN</b>		
Arizona	91	3
Colorado	11	1
Idaho	16	1
Montana	2	0
Nevada	1	0
New Mexico	75	4
Utah	18	2
Wyoming	0	0
Region	<u>214</u>	<u>11</u>
<b>PACIFIC</b>		
California	1,533	50
Oregon	93	64
Washington	215	61
Region	<u>1,841</u>	<u>175</u>

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Source: 1982 National Resource Inventory (NRI).

<sup>1</sup> - Represents the 48 contiguous states.



Table 5. Lineal<sup>1</sup> Miles<sup>2</sup> Of Riparian Area<sup>3</sup> Streambank Vegetated With Shrubs.Farming region  
and state

Farming region and state	-----Width of Riparian Area (ft)-----		
	<100	100-500	>500
<b>NORTHEAST</b>			
Connecticut	0	20	0
Delaware	0	41	0
Maine	3,481	30	0
Maryland	511	22	0
Massachusetts	462	33	0
New Hampshire	0	49	0
New Jersey	247	69	8
New York	3,465	404	48
Pennsylvania	2,986	192	24
Rhode Island	148	14	0
Vermont	<u>231</u>	<u>16</u>	<u>0</u>
Region	11,531	890	80
<b>APPALACHIA</b>			
Kentucky	0	0	0
North Carolina	2,491	71	24
Tennessee	577	0	0
Virginia	1,848	77	0
West Virginia	<u>2,970</u>	<u>14</u>	<u>0</u>
Region	7,886	162	24
<b>SOUTHEAST</b>			
Alabama	2,095	124	0
Florida	3,630	192	0
Georgia	1,633	168	0
South Carolina	<u>132</u>	<u>0</u>	<u>0</u>
Region	7,490	484	0
<b>LAKE STATES</b>			
Michigan	8,415	1,919	325
Minnesota	5,494	1,358	85
Wisconsin	<u>3,267</u>	<u>817</u>	<u>71</u>
Region	17,176	4,094	481
<b>CORN BELT</b>			
Illinois	396	104	11
Indiana	2,079	154	0
Iowa	660	33	0
Missouri	1,485	25	0
Ohio	<u>1,765</u>	<u>96</u>	<u>0</u>
Region	6,385	412	11
<b>DELTA STATES</b>			
Arkansas	0	256	0
Louisiana	1,617	212	28
Mississippi	<u>511</u>	<u>30</u>	<u>0</u>
Region	2,128	498	28

	<u>&lt;100</u>	<u>100-500</u>	<u>&gt;500</u>
<b>NORTHERN PLAINS</b>			
Kansas	891	69	0
Nebraska	1,716	407	35
North Dakota	412	69	0
South Dakota	<u>1,452</u>	<u>0</u>	<u>0</u>
Region	4,471	545	35
<b>SOUTHERN PLAINS</b>			
Oklahoma	165	33	25
Texas	<u>2,178</u>	<u>388</u>	<u>217</u>
Region	2,343	421	242
<b>MOUNTAIN</b>			
Arizona	445	608	1
Colorado	4,554	220	140
Idaho	1,254	129	10
Montana	4,455	1,702	127
Nevada	99	5	0
New Mexico	792	239	116
Utah	1,518	195	6
Wyoming	<u>2,458</u>	<u>220</u>	<u>67</u>
Region	15,575	3,318	467
<b>PACIFIC</b>			
California	9,636	371	84
Oregon	1,650	330	39
Washington	<u>2,838</u>	<u>459</u>	<u>18</u>
Region	14,124	1,160	141

Source: 1982 National Resource Inventory (NRI).

- <sup>1</sup> - Estimated from riparian streambank acres based upon assumed average riparian zone widths of 50 ft., 300 ft., and 600 ft., respectively, for <100 ft., 100-500 ft., and > 500 ft. widths.
- <sup>2</sup> - Represents the 48 contiguous states.
- <sup>3</sup> - Riparian area is measured from water's edge to outer edge of vegetative type running on either side of stream.

Table 6. Lineal<sup>1</sup> Miles<sup>2</sup> of Riparian Area<sup>3</sup> Streambank Without Trees or Shrubs.Farming region  
and state

Farming region and state	-----Width of Riparian Area (ft.)-----		
	<100	100-500	>500
<b>NORTHEAST</b>			
Connecticut	643	0	0
Delaware	561	201	0
Maine	759	137	0
Maryland	3,778	291	70
Massachusetts	1,254	109	85
New Hampshire	1,122	45	0
New Jersey	2,607	235	46
New York	17,358	896	95
Pennsylvania	12,193	1,008	239
Rhode Island	0	0	0
Vermont	<u>1,980</u>	<u>39</u>	<u>0</u>
Region	42,256	2,968	536
<b>APPALACHIA</b>			
Kentucky	5,482	78	0
North Carolina	7,920	420	50
Tennessee	6,402	339	52
Virginia	7,161	294	45
West Virginia	<u>9,289</u>	<u>333</u>	<u>35</u>
Region	36,201	1,464	182
<b>SOUTHEAST</b>			
Alabama	6,748	585	38
Florida	10,576	330	336
Georgia	5,065	479	102
South Carolina	<u>1,023</u>	<u>171</u>	<u>0</u>
Region	23,413	1,565	476
<b>LAKE STATES</b>			
Michigan	20,476	3,206	1,144
Minnesota	25,690	3,279	111
Wisconsin	<u>9,999</u>	<u>2,024</u>	<u>56</u>
Region	56,166	8,509	1,310
<b>CORN BELT</b>			
Illinois	20,559	1,282	45
Indiana	12,804	249	101
Iowa	19,717	1,067	111
Missouri	16,087	1,324	21
Ohio	<u>12,820</u>	<u>437</u>	<u>78</u>
Region	81,988	4,329	356
<b>DELTA STATES</b>			
Arkansas	3,877	574	76
Louisiana	12,771	952	371
Mississippi	<u>1,551</u>	<u>174</u>	<u>0</u>
Region	18,199	1,700	447

	<u>&lt;100</u>	<u>100-500</u>	<u>&gt;500</u>
<b>NORTHERN PLAINS</b>			
Kansas	23,842	3,732	549
Nebraska	15,411	2,128	276
North Dakota	13,695	700	161
South Dakota	<u>18,810</u>	<u>1,380</u>	<u>85</u>
Region	71,758	7,941	1,071
<b>SOUTHERN PLAINS</b>			
Oklahoma	29,172	3,251	769
Texas	<u>67,353</u>	<u>8,632</u>	<u>1,162</u>
Region	96,525	11,883	1,931
<b>MOUNTAIN</b>			
Arizona	13,315	2,282	1,109
Colorado	31,399	3,178	493
Idaho	11,203	1,666	248
Montana	50,292	6,787	2,358
Nevada	3,597	199	17
New Mexico	21,763	907	29
Utah	7,293	246	1,404
Wyoming	<u>27,736</u>	<u>2,232</u>	<u>384</u>
Region	166,600	17,497	6,041
<b>PACIFIC</b>			
California	39,847	3,237	2,552
Oregon	10,395	1,095	102
Washington	<u>15,708</u>	<u>720</u>	<u>24</u>
Region	65,950	5,051	2,678

Source: 1982 National Resource Inventory (NRI).

- <sup>1</sup> - Estimated from riparian streambank acres based upon assumed average riparian zone widths of 50 ft., 300 ft., and 600 ft., respectively, for <100 ft., 100-500 ft., and > 500 ft. widths.
- <sup>2</sup> - Represents the 48 contiguous states.
- <sup>3</sup> - Riparian area is measured from water's edge to the edge of vegetative type running on either side of stream.

Table 7. Percent of Land in the 18 Western States in Federal Ownership.

State	Percentage	State	Percentage
Alaska	89.5	New Mexico	33.3
Arizona	40.2	North Dakota	5.1
California	47.4	Oklahoma	4.0
Colorado	6.0	Oregon	48.9
Idaho	64.8	South Dakota	6.4
Kansas	1.4	Texas	2.1
Montana	29.5	Utah	61.0
Nebraska	1.4	Washington	28.4
Nevada	81.7	Wyoming	49.1

Source: USDI. 1983. Public Land Statistics. U.S. Department of Interior, Bureau of Land Management, Washington, D.C.

Table 8. Summary of Minimum Woody Corridor Planting Needs in the United States<sup>1</sup> (in 1,000's).

<u>Type of Corridor</u>	<u>No. of miles</u>	<u>No. of acres</u>	<u>No. of trees/shrubs required</u>
Field shelterbelt			
Control wind erosion	1,400	3,400	920,000
Crop protection	486	1,200	321,000
Farmstead energy cons.	27	284	55,000
Livestock protection	---	3	1,000
Road protection from snow	64	19	6,370
<b>TOTAL</b>	<b>1,917</b>	<b>4,906</b>	<b>1,303,470</b>

Source: Brandle, J.R., T.D. Wardle and G.F. Bratton. 1992. Opportunities to increase tree plantings in shelterbelts and the potential impacts on carbon storage and conservation. Chapter 9. IN: Forests and Global Change, Vol. 1, Opportunities for Increasing Forest Cover (R.N. Sampson and D. Hair, eds.). American Forests, Washington, D.C.

<sup>1</sup> - Represents the 48 contiguous states.