

Emissions of Greenhouse Gases in the United States 2009

**Table 33. Net carbon dioxide sequestration in U.S. croplands and grasslands, 1990-2008
 (million metric tons carbon dioxide equivalent)**

Carbon pool	1990	1995	2000	2003	2004	2005	2006	2007	2008
Cropland remaining cropland									
Mineral soils	56.8	50.6	57.9	45.3	45.8	45.9	46.8	47.3	45.7
Organic soils	-27.4	-27.7	-27.7	-27.7	-27.7	-27.7	-27.7	-27.7	-27.7
<i>Cropland remaining cropland subtotal</i>	29.4	22.9	30.2	17.7	18.1	18.3	19.1	19.7	18.1
Land converted to cropland									
Mineral soils	0.3	-0.3	0.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3
Organic soils	-2.4	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
<i>Land converted to cropland subtotal</i>	-2.2	-2.9	-2.4	-5.9	-5.9	-5.9	-5.9	-5.9	-5.9
Grassland remaining grassland									
Mineral soils	55.9	30.4	56.3	12.9	12.8	12.7	12.6	12.5	12.4
Organic soils	-3.9	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
<i>Grassland remaining grassland subtotal</i>	52.0	26.7	52.6	9.2	9.1	9.0	8.9	8.8	8.7
Land converted to grassland									
Mineral soils	20.3	23.2	28.1	25.7	25.6	25.5	25.4	25.2	25.1
Organic soils	-0.5	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
<i>Land converted to grassland subtotal</i>	19.8	22.3	27.3	24.9	24.7	24.6	24.5	24.3	24.2
Total	99.0	69.0	107.7	45.8	46.0	45.9	46.6	46.9	45.1
Liming of soils ^a	-4.7	-4.4	-4.3	-4.6	-3.9	-4.3	-4.2	-4.5	-3.8

^aIncludes emissions from liming on land converted to cropland, grassland remaining grassland, land converted to grassland, and settlements remaining settlements. This value is counted as a carbon dioxide emission under limestone consumption shown in Table 16.
 Note: Negative values indicate emissions.