

SUBJECT: SOIL EROSION  
 CATEGORY: USLE – RELATION TO "T" VALUE  
 QUALIFIERS: 1997 CULTIVATED CROPLAND  
 REPORTING UNIT: AREA (THOUSANDS OF ACRES)  
 GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 112

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 112

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	>5T
acres eroding above "t"	274	58	19	13	18
% of total mlra cultivated cropland	29%	6%	2%	1%	2%
% of total mlra cultivated cropland eroding above "t"	72%	15%	5%	3%	5%
% of total state cultivated cropland	3%	1%	<1%	<1%	<1%
% of total state cultivated cropland eroding above "t"	7%	1%	<1%	<1%	<1%
% of total state cultivated cropland in "t" category	14%	7%	4%	5%	3%

MLRA 112: TOTAL SURFACE AREA = 2869  
 TOTAL ACRES OF CULTIVATED CROPLAND = 930  
 TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 382

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513  
 TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

\* **USLE** – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. **"T" Factor** – The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)

