

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 115

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 115

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	> 5T
acres eroding above "t"	264	158	57	37	99
% of total mlra cultivated cropland	17%	9%	4%	2%	6%
% of total mlra cultivated cropland eroding above "t"	43%	26%	9%	6%	16%
% of total state cultivated cropland	3%	2%	1%	<1%	1%
% of total state cultivated	7%	4%	1%	<1%	3%
% of total state cultivated cropland in "t" category	14%	20%	13%	14%	18%

MLRA 115: TOTAL SURFACE AREA = 6170
 TOTAL ACRES OF CULTIVATED CROPLAND = 1579
 TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 615

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)

