



Natural Resources Conservation Service  
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Columbia, Missouri 65203

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MISSOURI TECHNICAL GUIDE TRANSMITTAL NO. 486

The following directions for the use of current erosion prediction technologies are now available in the Field Office Technical Guide (FOTG):

- Estimating Soil Erosion from Water Using the Universal Soil Loss Equation (USLE), Section I- E. Erosion Prediction; 1. Water Erosion; a. USLE
- Estimating Soil Erosion from Water with the Revised Universal Soil Loss Equation (RUSLE), Section I- E. Erosion Prediction; 1. Water Erosion; b. RUSLE
- Estimating Soil Erosion from Water Using the Revised Universal Soil Loss Equation, Version 2 (RUSLE2), Section I- E. Erosion Prediction; 1. Water Erosion; c. RUSLE2
- Estimating Soil Erosion from Wind Using the Wind Erosion Equation (WEQ) (pages 1-4 only), Section I- E. Erosion Prediction; 2. Wind Erosion; a. Wind Erosion Equation
- Estimating Soil Erosion from Wind Using the Wind Erosion Prediction System (WEPS), Section I- Erosion Prediction; 2. Wind Erosion; b. Wind Erosion Prediction System (WEPS).

Each one of these separate and distinct erosion models will be maintained by NRCS and used where appropriate in conservation planning. The WEQ and USLE information will be maintained for completion of highly erodible land (HEL) determinations and to review previous determinations that were made and recorded in field office case files. Occasionally, this information will be used to justify planning and application of conservation practices that were included in conservation plans prior to the use of RUSLE, RUSLE2, or WEPS. The RUSLE information may be used to justify conservation planning from January 1997 to July 2004 when the RUSLE2 computer program became the official NRCS erosion prediction technology for water erosion. In November 2010, WEPS became the official NRCS erosion prediction technology for wind erosion in Missouri replacing the WEQ equation.

For questions regarding these erosion models and when to apply each specific model, contact Ron Miller, State Agronomist, located in the NRCS State Office, Columbia, Missouri. He may be contacted by phone at 573.876.9401 or by email at [ron.miller@mo.usda.gov](mailto:ron.miller@mo.usda.gov).

A handwritten signature in black ink that reads "J.R. Flores".

J.R. Flores  
State Conservationist

DIST: FOTG