United States Department of Agriculture

NRCS

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May 15, 2007

TECHNICAL GUIDE NOTICE NO. 585

This notice transmits updates to Section I – Erosion Prediction.

The Erosion Prediction subsection of Section I has been updated to provide additional guidance on the use of the erosion prediction models and to implement the latest version of the Wind Erosion Equation (NE WEQv9.02). This update includes additional guidance on identifying the dominant critical soil map unit for conservation planning purposes, predicting when planning for ephemeral gully erosion is needed, and using the RUSLE2 model.

To ensure consistency in the application of the RUSLE2 model across the state, a standard set of parameters has been developed for each Crop Management Zone in the state. The parameters include guidance on planting dates, harvest dates, yields and monthly irrigation amounts for common crops. **These parameters shall be used for developing all RUSLE2 managements.**

If you have any questions please contact Corey Brubaker at (402) 437-4164 or by e-mail at corey.brubaker@ne.usda.gov or Rob Glidden at (308) 534-2360, ext. 135 or by e-mail at robert.glidden@ne.usda.gov regarding the updated guidance or need assistance with the use of RUSLE2 or NE_WEQv9.02.

Note: The State Office will archive a hard copy of all materials and copies of electronic files of materials removed on the Nebraska eFOTG site under Section I, Archive, Erosion Prediction. If Field Offices wish to maintain an archived hard copy of the Erosion Prediction subsection of Section 1 as a reference they may do so.

Changes for all field offices are noted by **"ALL COUNTIES"** and should be made in all Field Office Technical Guides.

REMOVE AND ARCHIVE-(if desired)	**INSERT**
Section I – General Resource References Table of Contents T.G. Notice 583 APRIL 2007	Section I – General Resource References Table of Contents T.G. Notice 585 MAY 2007
Section I – Erosion Prediction Table of Contents T.G. Notice 566 DECEMBER 2005	Section I – Erosion Prediction Table of Contents/Subsection Index T.G. Notice 585 MAY 2007

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Section I – Erosion Prediction – General Introduction to Soil Erosion and Erosion Prediction, Parameters Used in the Soil Erosion Prediction Models, T.G. Notice 566 DECEMBER 2005	Section I – Erosion Prediction – General Introduction to Soil Erosion and Erosion Prediction and Soil Parameters used in Erosion Prediction T.G. Notice 585 MAY 2007
Section I – Erosion Prediction – Water Erosion Introduction to Water Erosion, Estimating Sheet and Rill Erosion, Estimating Ephemeral Gully Erosion, and Estimating Channel Erosion T.G. Notice 566 DECEMBER 2005	Section I – Erosion Prediction – Water Erosion Introduction to Water Erosion, Background and Guidance on the Use of RUSLE2, Estimating Ephemeral Gully Erosion, and Estimating Channel and Gully Erosion T.G. Notice 585 MAY 2007
Section I – Erosion Prediction – Wind Erosion Introduction to Wind Erosion and Estimating Soil Loss From Wind Erosion T.G. Notice 566 DECEMBER 2005	Section I – Erosion Prediction – Wind Erosion Introduction to Wind Erosion, Estimating Soil Loss from Wind Erosion, Table 1 – Wind Erodibility Groups and Wind Erodibility Index, Map – Wind Erosion Index Factor "C" Values by County, Table 2 – Prevailing Wind Direction and Preponderance of Wind Direction, Table 3 – Crop Tolerance to blowing soil and Table 4 – Crop Residue Types T.G. Notice 585 MAY 2007

/s/ Stephen K. Chick

STEPHEN K. CHICK
State Conservationist

Enclosures