

PREFACE

The Revised Wind Erosion Equation (RWEQ) uses mathematical equations and associated parameter values needed to compute estimates of soil eroded and transported by wind for that portion of sediment that moves between the soil surface up to a height of two meters. This documentation has been peer reviewed and administratively approved according to standard practice of the USDA-Agricultural Research Service (ARS) when it authorizes scientific information to be published and publicly released.

The ultimate objective for RWEQ is that it be used as a tool in operational programs by the USDA-Natural Resources Conservation Service (NRCS), other federal, state, and local agencies, and private consultants and organizations. This version of RWEQ, however, has not been fully tested and evaluated for that purpose. The United States Department of Agriculture and the Agricultural Research Service accept no liability or responsibility of any kind to any user, other person, or entity as a result of installation or operation of this software. The software is provided "AS IS," and you, its user, assume all risks when using it.

RWEQ is in the public domain and you are free to use it. ARS would appreciate your comments on the model's capabilities and limitations, especially if you conduct field validation tests on the model. Please send comments to Dr. Ted M. Zobeck (tzobeck@mail.csrl.ars.usda.gov).

If the executable code of the current version is downloaded and used within a larger software package, please acknowledge the source and include this preface.

To reference this manual use the following citation:

Fryrear, D.W., Ali Saleh, J.D. Bilbro, H.M. Schomberg, J.E. Stout, and T.M. Zobeck. 1998. Revised Wind Erosion Equation (RWEQ). Wind Erosion and Water Conservation Research Unit, USDA-ARS, Southern Plains Area Cropping Systems Research Laboratory. Technical Bulletin No. 1.

Internet address:

<http://www.csrl.ars.usda.gov/wewc/rweq.htm>