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Transmitted via Email

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MINNESOTA BULLETIN NO. 180-7-2

SUBJECT: RELEASE OF NEW RUSLE2 VERSION 1.26.6.4 (NOV. 2006)

Purpose. To transmit information about the updated version of this program

Expiration Date. September 30, 2007

RUSLE2 Version 1.26.6.4 is now posted on the RUSLE2 website at:
http://fargo.nserl.purdue.edu/rusle2_dataweb/. The CCE certification for this version was completed in November of 2006, and shown as certified on 12/1/2006 the CCE software site:
http://servicecenter.kcc.usda.gov/sfw_m_r.htm .

What is New?

Primarily, this version has the energy/fuel calculation built into the managements. This is a new option that allows the user to specify the type of fuel used for each operation and the price per gallon of that fuel. The program will then calculate and display the energy use for the entire simulation in BTU/acre, and the fuel cost for the entire simulation, in dollars/acre. These are not required inputs, they are optional.

This version also contains all of the fixes from the December 2005 version, which included the yield display bug in the profile screen and the "load from file" bug in the worksheet and plan screens. In addition to the yield fix and the load from file fix, that release included a minor change in the Rotation Builder screen to prevent scrambling the operations dates when advancing the dates by the interval choices. Additionally, the user access levels were revised to correct some minor display glitches in the irrigation box in the management screen and there were some revised print templates that are adapted to the revised irrigation tracking in the management screen.

A number of operations have been added to the operations database to model some of the combination equipment that is used for primary tillage such as chisel plows with coulters and cover disks. This takes the place of having to use two pieces of equipment on the same date to model this kind of equipment.

There are a number of new printing templates included in this version also. For worksheets, you will want to use [NRCS RUSLE2 Worksheet SCI STIR and Fuel Use Summary](#) to print worksheets. Use [NRCS profile with SCE, STIR, Fuel Use Portrate 0806](#) or [NRCS profile with](#)



SCE, STIR, Fuel Use Landscape 0806 to print profiles. The worksheet printout is a quick summary for your convenience and the profile printout will have all the documentation needed for programs and compliance.

Database Updates

RUSLE2 Version 1.26.6.4 was created on November 13, 2006. The base database as of that date is included in the installer. However, since that date there have been several additions and edits to the residues, operations and vegetations parts of the base database.

Newer changes and additions since November 13, 2006 are not contained in the base database included in the installer but, rather, must be imported from the **database update file** also posted on the RUSLE2 website. Regardless of whether you use the base database (moses.gdb) included in the new installer and import the local soils, climate, managements, profiles, worksheets and plans into it from the current operating database or you simply map the new version to the existing moses database file, **every office needs to import the latest database updates** into their moses database. Instructions for how to import the database updates is on the Minnesota NRCS web site with all of the RUSLE2 documents. The person responsible for maintaining the database in every office is responsible for checking the website every month or so for database updates.

IT has begun installing this new version of RUSLE2 in a number of locations as new workstations have been installed or other updates have been occurring. Coordinate with IT staff to complete installing this updated version in all field offices as time permits.

Questions on this bulletin should be directed to Robin Martinek, State Agronomist at (651) 602-7866.

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State Conservationist

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