



Natural Resources Conservation Service
655 Parfet Street, Room E200C
Lakewood, Colorado 80215

VIA ELECTRONIC MAIL

TECHNICAL GUIDE NOTICE NO. 559

December 12, 2005

Re: Transmit RUSLE 2 and Excel WEQ update procedures

This Technical Guide Notice (TGN) transmits RUSLE 2 and Excel WEQ update procedures to Section I of the electronic Field Office Technical Guide (FOTG). Area and District Conservationists are responsible for distributing this information to all RUSLE 2 and Excel WEQ users within their respective offices.

Rusle 2 moses CMZ database updates

There are new and revised files for Erosivities, Hydraulic element systems, Operations and Vegetations available for use with Rusle 2.

Follow the procedure below to import the new and revised files into your local *moses_CMZ_XX.gdb* database(s).

1. Go to the NRCS RUSLE 2 website located at http://fargo.nserl.purdue.edu/RUSLE2_dataweb/RUSLE2_Index.htm.
2. Left click *Download File* under *Base Database and Misc Files* and open the *Latest Base Database Updates* folder. Copy the *NRCS_Moses_updates_030104to102505.gdb* file to your *C:\Program Files\USDA\Rusle2\Import* folder.
3. Start RUSLE 2 and from the toolbar select *Database, Open alternate*, and *Open* the local *moses_CMZ_XX.gdb* database you are going to update.
4. From the toolbar select *Database, Import RUSLE 2 database*, and *Open* the *NRCS_Moses_updates_030104to112805.gdb* database file from your *Import* folder (RUSLE 2 will look in the *Import* folder by default).
5. Left click the box in the upper left corner within the *Import Database* window to globally select all items included in the *NRCS_Moses_updates_030104to102505.gdb* database file. A red check mark will display in all boxes when globally selected. Select *None* for *Import dependant files* and *Import to same folder*, then left click the *Import* button. A warning will pop up indicating that you will not be able to edit the files you are importing; left click *OK* and allow the import to proceed.
6. Repeat this import procedure for each local *moses_CMZ_XX.gdb* database file you are using in your office.

Rusle 2 management database updates

The yield distributions for all multi-cut single and multiple year Alfalfa templates are modified to better represent senescence periods and yield differences between spring and fall cuttings. These modifications have generally increased Soil Conditioning Index values.

Follow the instructions below to update your local *moses_CMZ_XX.gdb* database file(s) with *a. Single Year/Single Crop Templates* and *b. Multi-year Rotation Templates* that include modified multi-cut Alfalfa yield distributions.

1. Go to the NRCS RUSLE 2 website located at http://fargo.nserl.purdue.edu/RUSLE2_dataweb/RUSLE2_Index.htm.
2. Left click *Data Files* under *Crop Management Templates*, select the *CMZ_XX* database file(s) that correspond to the local *moses_CMZ_XX.gdb* database file(s) you are updating, then copy them to your *C:\Program Files\USDA\Rusle2\Import* folder.
3. Start RUSLE 2 and from the toolbar select *Database, Open alternate*, and *Open* the local *moses_CMZ_XX.gdb* database file you are updating.
4. From the toolbar select *Database, Import RUSLE 2 database*, and *Open* the *CMZ_XX.gdb* management database file that corresponds to the local *moses_CMZ_XX.gdb* database you are updating (RUSLE 2 will look in the *Import* folder by default).
5. From the *Import Database* window, expand the *management* and *CMZ_XX* folders by clicking the (+) to the left of the folder names. Select the *a. Single Year Templates* and *b. Multi-Year Templates* folders by clicking the boxes to the left of the folder names. A red check mark will display in the boxes to the left of the folder names when they are selected. Do not select the *c. Other Local Mgt Records* or *d. Construction Site Templates* folders.
6. Select *None* for *Import dependant files* and *Import to same folder*, then left click the *Import* button. A warning will pop up indicating that you will not be able to edit the files you are importing; left click *OK* and allow the import to proceed.
7. Repeat this import procedure for each local *moses_CMZ_XX.gdb* database file you are using in your office.

Rusle 2 soils database updates

There are one new and three revised soils downloads available for use with RUSLE 2. The new download is Animas-Dolores; the revised downloads are Archuleta, Las Animas and Ute Mountain. If you are planning systems in one of these soil survey areas, follow the import procedure below to update the soils database within your local *moses_CMZ_XX.gdb* database file(s).

1. Go to the NRCS RUSLE 2 website located at http://fargo.nserl.purdue.edu/RUSLE2_dataweb/RUSLE2_Index.htm.
2. Left click *Data Files* under *Soils Data*, select *Colorado* and the soil survey(s) you are updating, then copy the file(s) to your *C:\Program Files\USDA\Rusle2\Import* folder.
3. Start RUSLE 2 and from the toolbar select *Database, Open alternate*, and *Open* the local *moses_CMZ_XX.gdb* database file that includes the soil survey area you are updating.

4. From the toolbar select *Database, Import RUSLE 2 database*, and *Open the Soil Survey Name, CO.gdb* soils database file that corresponds to *moses_CMZ_XX.gdb* database you are updating (RUSLE 2 will look in the *Import* folder by default).
5. From the *Import Database* window, select *soils* by clicking the box to the left of the folder name. A red check mark will display in the box when it is selected.
6. Select *None* for *Import dependant files* and *Import to same folder*, then left click the *Import* button. A warning will pop up indicating that you will not be able to edit the files you are importing; left click *OK* and allow the import to proceed.
7. Repeat this import procedure for each local *moses_CMZ_XX.gdb* database file you are using in your office that includes one or more of the soil survey areas listed above.

Excel WEQ version 8.05

The Harvest Index for Beans, dry and Beans, dry, marginal yields is decreased from 0.75 to 0.5. This modified Harvest Index value is consistent with Rusle 2. Click the link below or go to the FOTG, *Section I, Erosion Prediction* folder, to download an updated copy of the [WEQvs8.05_CO_FieldVersion.xls](#) workbook.

Training

Additional RUSLE 2 and Excel WEQ training will be coordinated through your Area Conservationist and Area Agronomy Contact, as necessary.

Printing and filing instructions.

District Conservationists are not required to maintain hard copies of the FOTG in their respective Field Offices. This notice is filed in the *FOTG Transmittals* folder in *Section I* of the FOTG.

Contact Information

Contact Jim Sharkoff, State Conservation Agronomist, at 720-544-2812 or email jim.sharkoff@co.usda.gov for questions regarding the content of this notice.

This is the only copy of this notice you will receive from the State Office.

/s/

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State Conservationist

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SRCs West Region, KS, NE, and OK