

“NEW” RUSLE2 Version 1.26.6.4

April 30, 2007 – New version (1.26.6.4) of the RUSLE2 program has been released. Before you install the new version of RUSLE2, the old version must be uninstalled. **DO NOT DELETE THE OLD VERSION.** If you use delete to remove the old RUSLE2 program you will lose all your databases supporting within the RUSLE2 program and all the work you have done to date.

New energy calculator functions have been added to the new version in addition to several additional updates. These new functions are contained in a new fuels folder and every field operation has been revised to include new diesel fuel equivalent values. Changes have been made to the RUSLE2 database for all Iowa counties. These databases have been corrected to match the new version of RUSLE2 – Version 1.26.6.4.

This RUSLE2 Version 1.26.6.4 is the current acceptable erosion tool to be used in Iowa. It should be loaded on all machines that are using RUSLE2. All of the older versions are to be removed to avoid accidental use of the older version.

RUSLE2 Version 1.26.6.4 is available on the national website at http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm

Following are the instructions to renaming old database file, un-installing the older version, downloading the new version of RUSLE2, and installing the new version of RUSLE2

Follow these steps:

Step 1 – Renaming Old Database File:

The old database folder is located on C: Program Files/USDA/RUSLE2/moses.gdb. Using Windows Explorer go to the current moses.gdb file. Select the file with one click of the left mouse button. With the name highlighted, click the right mouse button and select the “rename” option. Change the file name to “**archive** RUSLE2 1.25moses.gdb”. This name change will definitely identify the file as an archive file. Note you must have RUSLE2 program closed out before you change the name. A new moses.gdb file will be brought in with the new RUSLE2 program and will be updated with most recent information from the national database and renamed **RUSLE2 1.26 Feb 07 moses.gdb**. Data from the archived RUSLE2 1.25 moses.gdb database will be imported into this new RUSLE2 1.26 Feb 07 moses.gdb file. This archived database has been modified with local alternatives and/or a number of plans, worksheets, and profiles that have been developed and saved, the local changes will need to be imported into the new “**RUSLE2 1.26 Feb 07 moses.gdb**” file. The active database file name is displayed in the lower right hand corner of the RUSLE2 screen.

Step 2 – Uninstall the Older Version of RUSLE2

The old version of RUSLE2 1.25 will need to be uninstalled before the new version can be installed. An important reminder: To remove a previous version of RUSLE2, you must uninstall the software using the “Control Panel – Add or Remove Programs” option. **DO NOT DELETE** the existing RUSLE2 folder. If you delete the folder instead of uninstalling the software, you delete the local database and all information you have worked on to date will be lost. Please refer to the Install Guide (Section 4.1) for removing any previous version of RUSLE2.

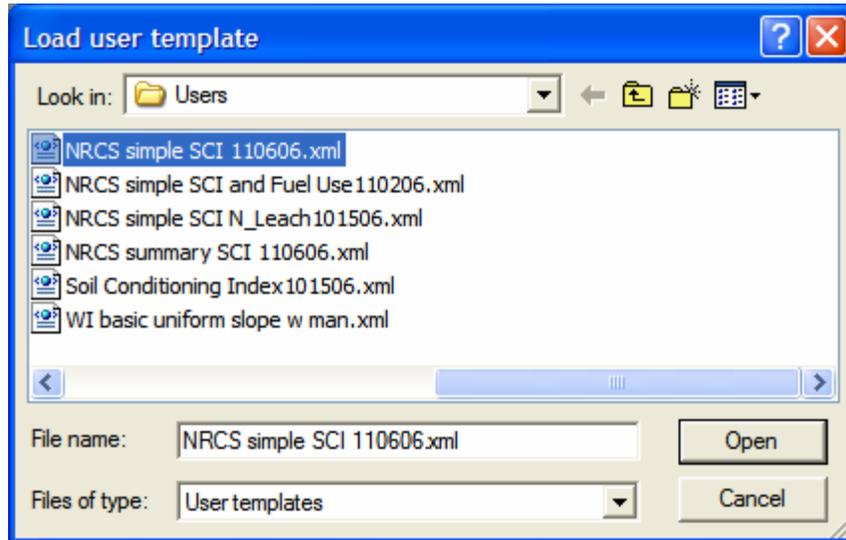
Step 3 – Downloading the New Version of RUSLE2

The Installation program for RUSLE2 Version 1.26 is available on the national website at http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm.

Once on the web site, click on Download file option under RUSLE2 Program File title in the left menu panel. A new window will open up with a list of its contents. Select R2NRCS_2006 1114.exe and save it to your computer. This step may take anywhere from 2 minutes to more than 20 minutes depending upon the internet connection speed.

Step 4 – Installing the new RUSLE2 program

As soon as the download is complete, click on the RUN button in the download window to start the installation process. Follow the instructions in the screens that pop-up to complete the installation process. Once the new version of RUSLE2 is installed, select the “NRCS simple SCI 110206.xml” template. A new moses.gdb file will be brought in with the new RUSLE2 program and will be updated with most recent information from the national database. Go to C: Program Files/USDA/RUSLE2 and rename the moses.gdb file [RUSLE2 1.26 Feb 07 moses.gdb](#).



RUSLE2 Version 1.26.6.4 DATABASE

Importing New Crop Management Zone Records and Updating the County Specific Database

Once you have renamed the old database file, un-installed the older version, downloaded the new version of RUSLE2, and installed the new version of RUSLE2 as specified in Steps 1 through 4, you are now ready to update the database with new records

The following are instructions to update the local RUSLE2 database after the new version of RUSLE2 1.26.6.4 has been installed so that all the new functions work.

Step 5 – This step is updating your [RUSLE2 1.26 Feb07 moses.gdb](#) file to include the latest database. You will need to go back to the National RUSLE2 Website to get each of the individual databases.

NRCS Base Moses Database: A new base moses database of RUSLE2 is posted on the national RUSLE2 website. This update contains several new crops and tillage tools that have been developed since the last update. To download the new database updates, go to the RUSLE2 website subfolder called “Latest Base Database Updates” within the Base Database folder:
NRCS_Moses_updates_030104to040907.gdb. By doing a simple import of the entire contents of this update file, the import will add all new and recently edited or corrected records.

Climate Database: This database is the same as before and is available under the Climate Data Files Folder on the national RUSLE2 website.

Crop Management Zones: Both Crop Management Zone 04 and 16 have also been updated and need to be imported into the new RUSLE2 program. The new data files for these two crop management zones can be downloaded by going to the national RUSLE2 website under the Crop Management Templates data files folder. Once in this folder, click on CMZ04 and CMZ16 and save it to your computer, then do an import of these files into the RUSLE2 program management folder.

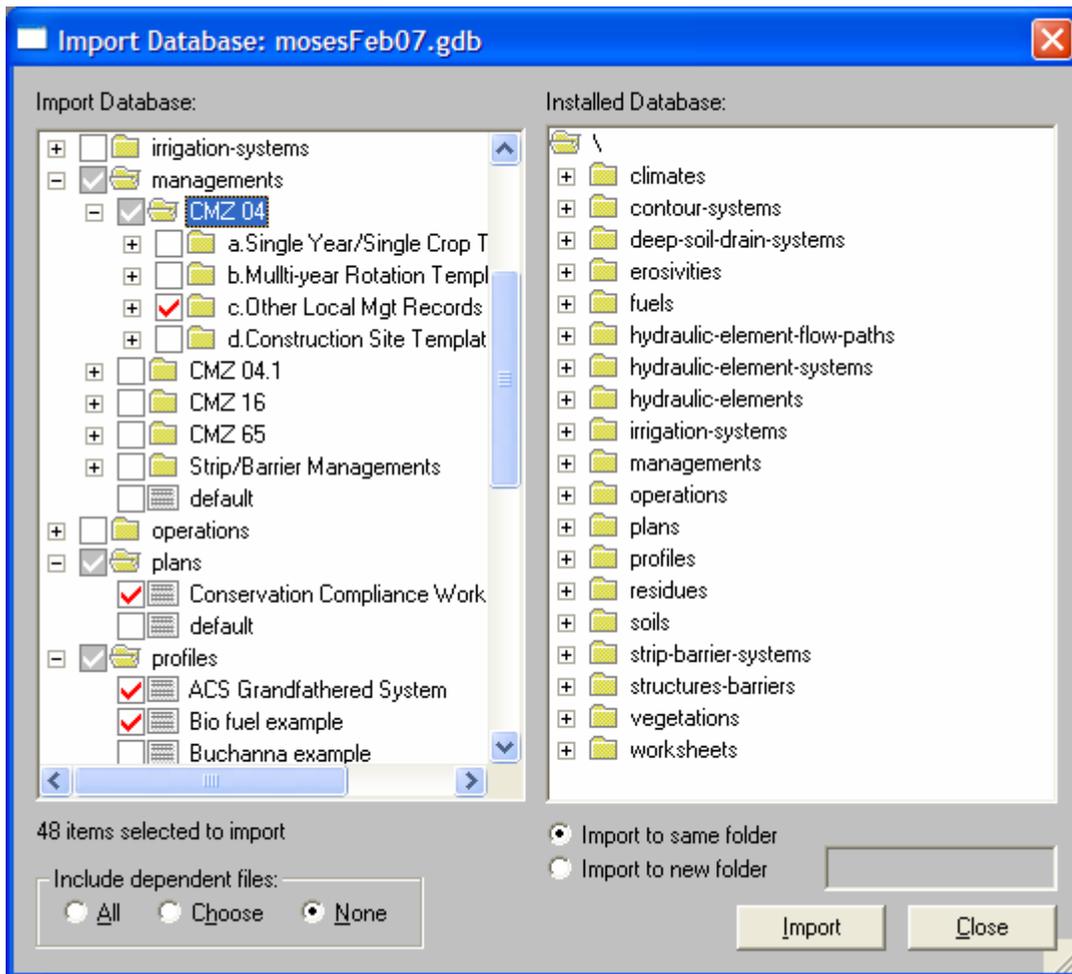
Soils Database: Soils data for most counties in Iowa has been revised and needs to be imported into RUSLE2 program soils folder. These new soil data files are available on the national RUSLE2 website in the Iowa subfolder. Click on the Soils Data Files folder on the national RUSLE2 website to get to the Iowa subfolder. Once in the Iowa subfolder, click on county data file that you need and save it to your computer, then do an import of these files into the RUSLE2 program.

Step 6 – This step is only needed to import local database changes into the [RUSLE2 1.26 Feb 07.gdb](#) file. The county-specific information on profiles, plans, worksheets, and management options in the archived database may be needed in the new database.

To import the existing data from the archive file:

- A) Initiate RUSLE2 and be certain to select the [RUSLE2 1.26 Feb 07.gdb](#) file. If you just renamed the current moses.gdb file it should be the one that comes up. If not you can click on database on the top toolbar and open alternate. The active database file name is displayed in the lower right hand corner of the RUSLE2 screen.

- B) Once [RUSLE2 1.26 Feb 07.gdb](#) has been located and loaded as the active database, select Database/Import RUSLE2 Database. To locate the archive file with local information, navigate to your saved archived RUSLE2 1.25 moses.gdb file. Select this file for importing data.



C) The import option will now display a box with numerous selections. Please review the listing carefully and select only the following:

MANAGEMENTS – Click on the “+” sign to the left of MANAGEMENTS in the left-hand column of options. A sub-listing will be displayed. Click on the “+” sign to the left of CMZ 4 or 16 for a further breakdown in the listing of data. Click in the box to the left of “c. Other Local Mgt Records”. All data in these portions of the database will be copied to the “newly revised” file. **DO NOT SELECT “a. Single Year/Single Crop Templates, b Multi-year Rotation Templates or d. Construction Site Templates” (the corrected information is in the database developed for RUSLE2 Version 1.26)**. If there are some files you do not want to import to the new database, select the + sign to open a listing of individual items. Select only the desired data with a checkmark (one left click in the box).

PLANS – Click the “+” sign to the left of PLANS. Click in the box on a specific line to select a plan or plans to transfer to the database file. Plans not transferred by this process will not be available in the active RUSLE2 database.

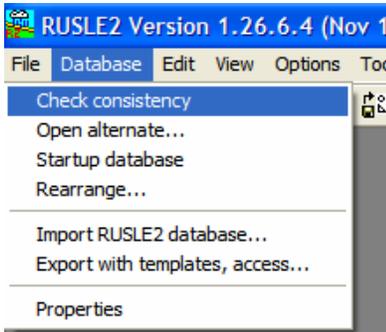
WORKSHEETS – Click the “+” sign to view WORKSHEETS that have been saved. Click in the box to select specific line items (worksheets) to transfer to the active database.

PROFILES – Repeat the process to select specific PROFILES to transfer.

***NOTE:** Plans, worksheets, and profiles contain management files that may have been developed in RUSLE2. Make sure to import the appropriate managements in Other Local Mgt Records that support the plans, worksheets and profiles being imported.*

D) To complete the import function, select “none” under the heading to “Include Dependent Files”. This is an option that will appear in the lower left portion of the import window.

- E) Be sure the “Import to the Same Folder” button is selected.
- F) Select “Import”.
- G) The model will pop up a number of windows (four or five total). Do not select cancel or the import will not occur. As you will be importing a fairly large file, please be patient. The import function takes time to complete (from 2 minutes to more than 20 minutes).
- H) After the data has been imported, the RUSLE2 program may run a consistency check. If not, initiate the consistency check manually by selecting “Database” – “Check consistency”.



Start the check and monitor the progress. You may get error windows popping up asking you to replace items where there are database inconsistencies (items are no longer linked in the database). The key line to address is “Refers to:” This is the record that needs to be replaced or reconnected. Search the open window for the record that is the same (may have been moved in the database) or similar (may have been changed). Select the appropriate record to make the database correct. Make sure to review the entire list before making a selection. Select “Correct” or “Correct all like this” to remove the inconsistency and repair the broken links. **Note: since all soils have been updated you will need to link all your plans, worksheets and profiles to the correct soils in the new soils database. Depending upon how many different soils you have this could take a while. Be patient you only have to do this the first time and if it is done correctly all links will be reattached. When working with soils select “Correct all like this” to help reduce the number of popup windows.** Select “Ignore” or “Ignore all like this” only when the item identified is in a Crop Management Zone is not used in your county or an example entry such as a generic soil list. Select “OK” after the database consistency check is completed and all corrections have been made.