

IMPORTANT RUSLE2 Database Update December 2012!

PURPOSE:

To provide Iowa Instruction on how to download the new 2012 RUSLE2 database files for Iowa RUSLE2 Program and locate the new county yields by soil map unit..

BACKGROUND:

Significant changes have occurred in the several RUSLE2 database files including CMZ databases and county soils databases. The Crop Management files contain the energy requirements for fertilizer and pesticide applications, and all of the new crop/vegetation and operation files. The soils databases have all the new T and K factors. Users will need to build a completely “new” RUSLE2 database from the “base database” on the official RUSLE2 website (http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm) rather than importing the new updates as usual.

[In Iowa we have developed an area/state database for use by Field Offices and TSPs. Below are step-by-step instructions for how to archive your existing mooses database and connect to the new Dec 1 2012 database.](#)

Along with the new RUSLE2 database Iowa has posted new yields by Soil Map Unit. These new yields can be found on the Iowa home page by selecting eFOTG\county\Section II\Soils Information\Soil Survey Area\County Name\Soils Tables\Non irrigated yields for row crops.

It is extremely important to use the new database and yield data so Technical Service Providers are utilizing the most current and correct database to their clients.

PROCESS:

Archiving an Existing MOSES.gdb and Creating a New MOSES.gdb

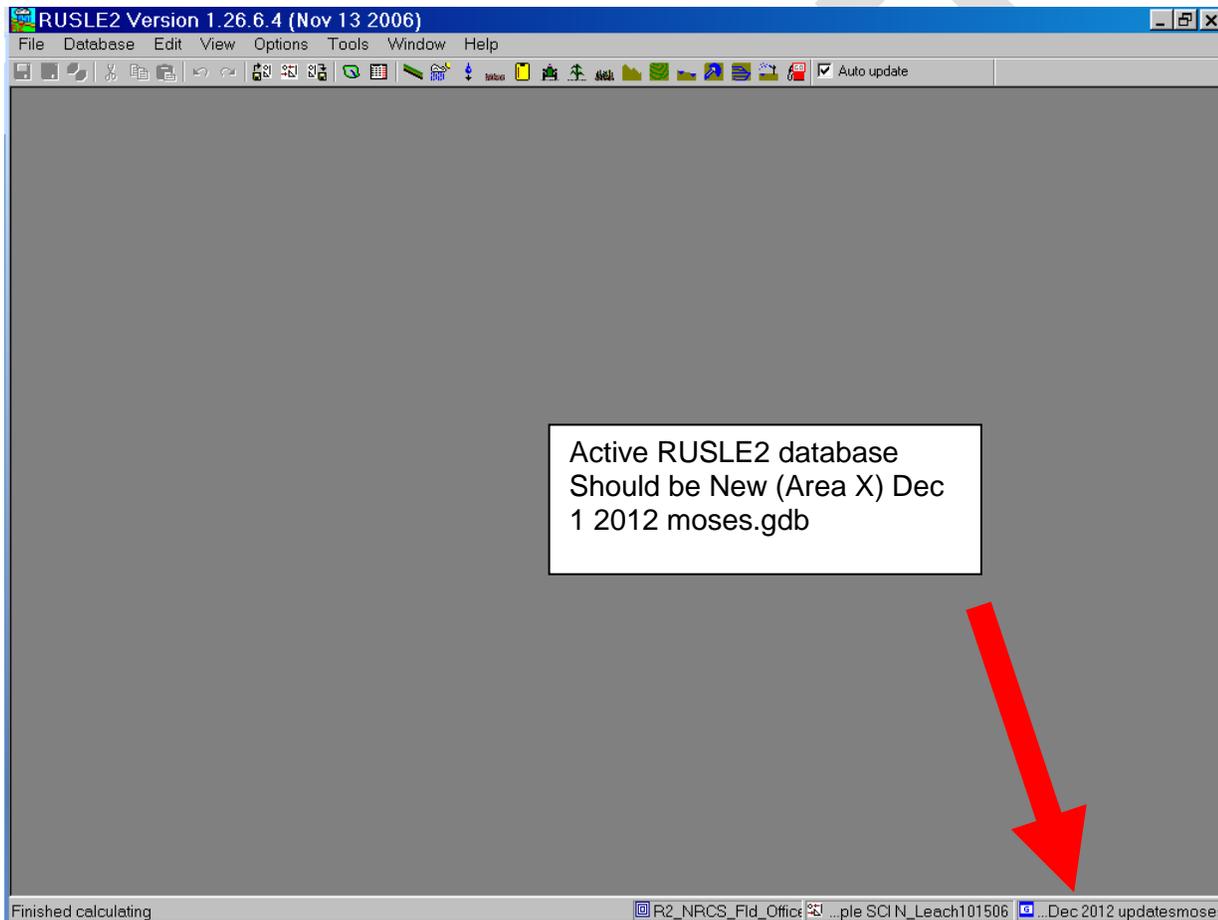
1. Read through the entire set of instructions below at least once BEFORE embarking on this task!
2. Archive your current “moses.gdb” database. This database may be on your C:\ drive or on a shared drive that is accessed by several computers in one office. Place your current moses.gdb file in an *archives* folder that you previously created or will create. Note: if you use a laptop and maintain your “moses.gdb” on your C:\ drive, you will need to make sure that your database is synchronized with the “moses.gdb” on your shared server.
3. Use Windows Explorer go to the current RUSLE2 database 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** “file name”.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
4. **COPY** the **2012 update moses.gdb** file by right clicking on the file and paste to the C:\Program Files\USDA\Rusle2 or to the server if shared by multiple computers. The database is located <http://www.ia.nrcs.usda.gov/technical/RUSLE2.html>. This is the official RUSLE2 calculation to be used by NRCS and TSP completing work for NRCS. Select this file as the new Startup Database. To select this file go to the top tool bar Database\open alternative and navigate to where you have saved this file “C:\Program Files\USDA\Rusle2 or on a shared drive. Once you

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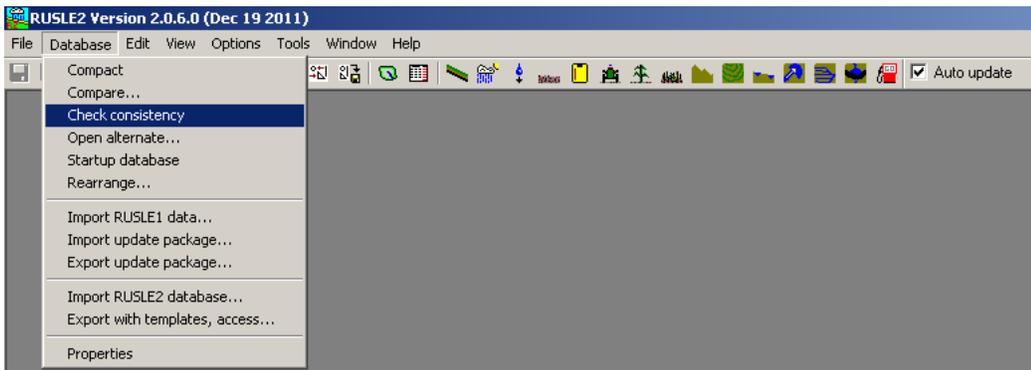
have selected the file go back to Database and select Startup Database. Reopen the database dialog and a checkmark should now appear beside this parameter. This means that the database file that is currently loaded (the name is displayed in the lower right corner of the RUSLE2 screen) will be automatically accessed each time the RUSLE2 model on this computer is rebooted. (See Figure 1)

5. NOW you can open the RUSLE2 program. Go to “Database” on the top tool bar and select “open alternate” and navigate to the S:\Service_Center\NRCS\RUSLE2 folder and select the new database that you just downloaded.

Figure 1. Make sure you are connected to the new moses database.

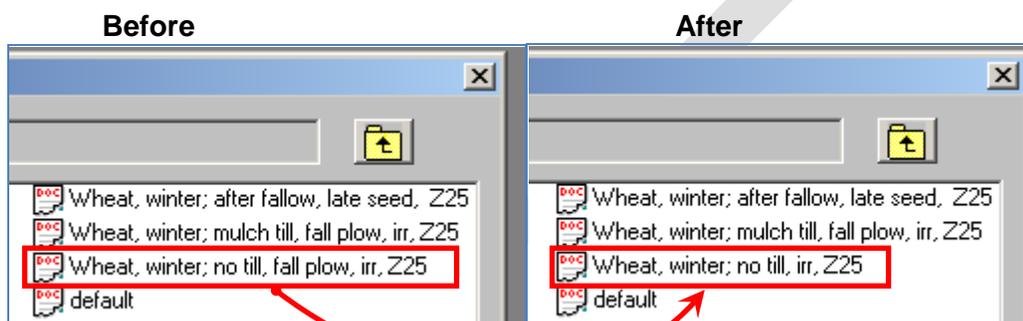


6. Run a consistency check on the database. Go to “Database” on the top tool bar and select “run consistency”. If you have any broken links reconnected *correctly*.

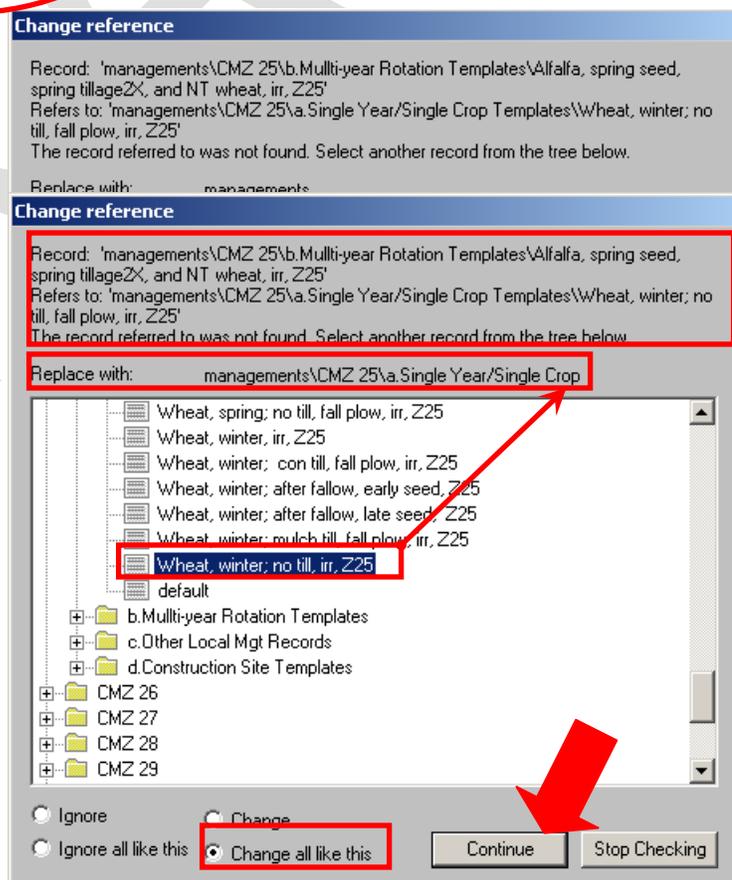


Fixing Broken Links Created by Changes in the Database

- Example of a change of record name to correct previous error:



- You should get a warning that another record that depended on the renamed record can no longer find that record and R2 cannot complete the database without a broken link.



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- Make sure that EVERY broken link is reconnected to an appropriate replacement record. If you are unsure how to correct a broken link, click “stop checking” at the bottom of the window and call a RUSLE2 support staff to help you fix the broken links BEFORE ever using RUSLE2.

It is recommended that you start reconstructing your files from this new database and not bring over files from your old database. You will still have access to your old “archived” files for reference or use.

It is recommended that you build new management files, profiles, worksheets and plans from scratch. The new database is very similar to the old folder structure, however, management files, profiles, worksheets and plans may still have broken links. If you do import files from your archived database be selective in limiting the number imported. Once you import files from your archived database you will need to do a consistency check and repair any broken links.

Contact local field office or Barbara Stewart, State Agronomist, with questions.