



Natural Resources Conservation Service
210 Walnut Street, Room 693
Des Moines, IA 50309-2180

November 28, 2012

IOWA INSTRUCTION 190-382 SECOND EDITION - REVISED RUSLE2 DATABASE

IA382.0 PURPOSE

This Iowa Instruction provides information on how to download the new December 1, 2012 moses database file for use with your county RUSLE2 program. These instructions are to be completed by January 2, 2013.

IA382.1 SCOPE

These instructions will be followed by all field staff. It is extremely important to update the RUSLE2 database so all field offices are utilizing the most current and correct database when provided assistance to our client in conservation planning and program implementation.

IA382.2 FILING INSTRUCTIONS

This Iowa Instruction will be posted on the Iowa NRCS Employee Website, which can be accessed at <http://www.ia.nrcs.usda.gov/intranet/> under the Iowa NRCS eDirectives System section.

IA382.3 EXHIBITS

See the attachment.

/s/

Jay T. Mar
State Conservationist

Attachment

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(IA Instruction 190-382 Second Edition - November 2012)

1. PURPOSE:

This Iowa Instruction provides information on how to import the new RUSLE2 database files into the current county RUSLE2 Program.

2. BACKGROUND:

Significant changes have occurred in the CMZ databases and in the 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. Users will need to build a completely new RUSLE2 database from the “base database” on the official RUSLE2 website

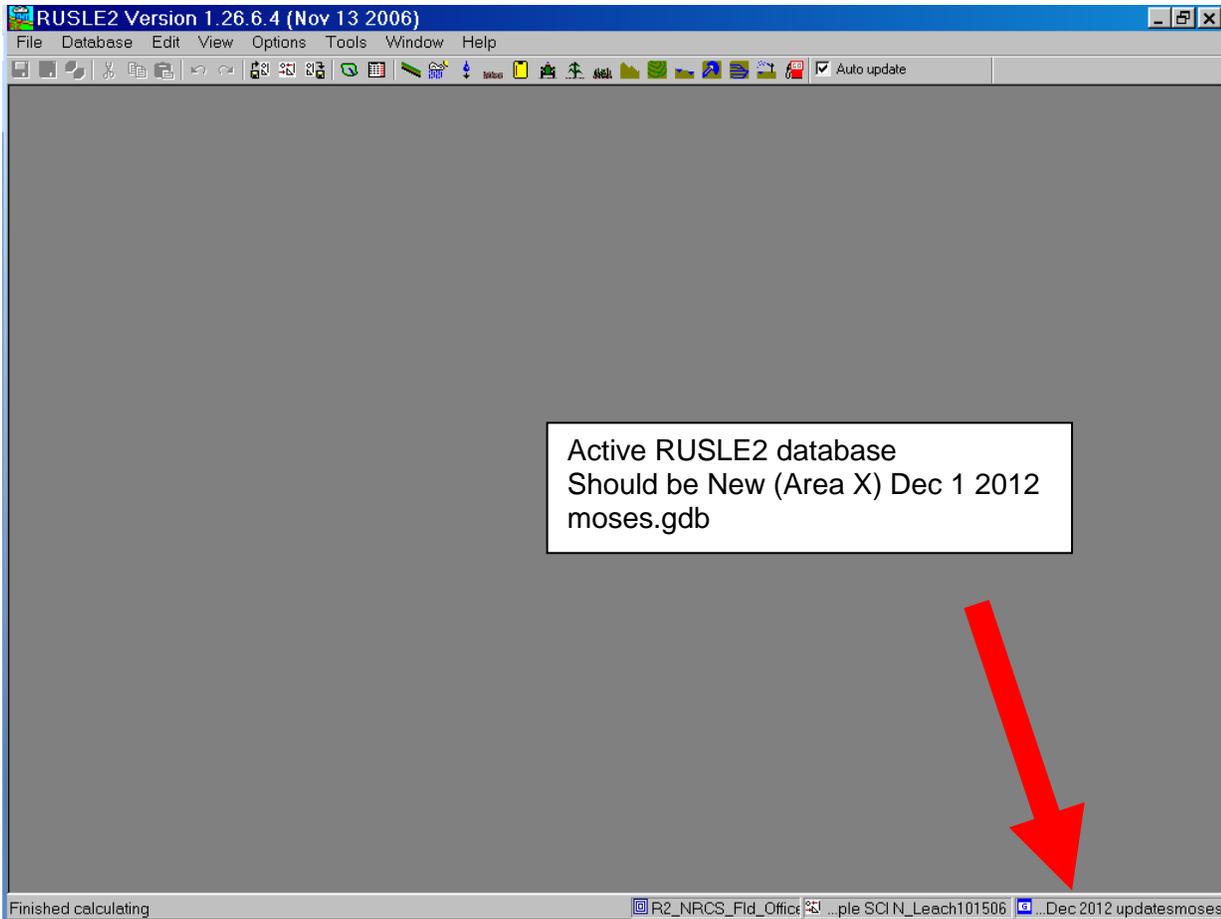
(http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm) rather than importing the new updates as usual. In Iowa we have developed an area/state database for use by field offices and TSPs. Below are step-by-step instructions on how to archive your existing moses database and connect to the new Dec 1 2012 database. It is extremely important to use the new database so all field offices are utilizing the most current and correct database.

3. PROCESS:

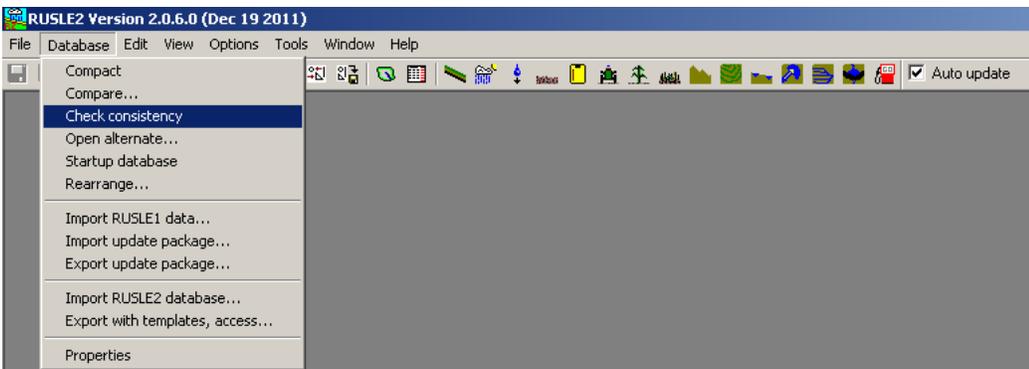
Archiving an Existing MOSES.gdb and Creating a New MOSES.gdb

1. Read through the entire set of instructions below at least once BEFORE embarking on this task!
2. Archive your current “moses.gdb” database that should be located in S:\Service_Center\NRCS\RUSLE2 into the S:\Service_Center\NRCS\RUSLE2\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 the server.
3. Use Windows Explorer go to the S:\Service_Center\NRCS\RUSLE2 to locate the current RUSLE2 database file (RUSLE2 1.26 (county name)Nov10.gdb). 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 1.26 (county name)Nov10.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 **Area X Dec 1 2012 moses.gdb** file by right clicking on the file and paste to the S:\Service_Center\NRCS\RUSLE2\ folder on your shared drive. The database will be located on your area share file. This is the file that will be located and selected by all users of RUSLE2 in the field office to complete an official RUSLE2 calculation. 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 on the shared drive: S:\Service_Center\NRCS\RUSLE2. Once you 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.

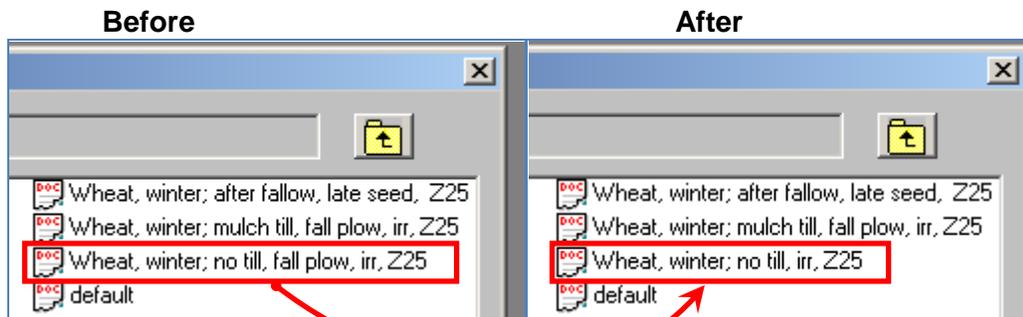


6. Run a consistency check on the database. Go to “Database” on the top tool bar and select “check consistency”. If you have any broken links reconnected *correctly*.

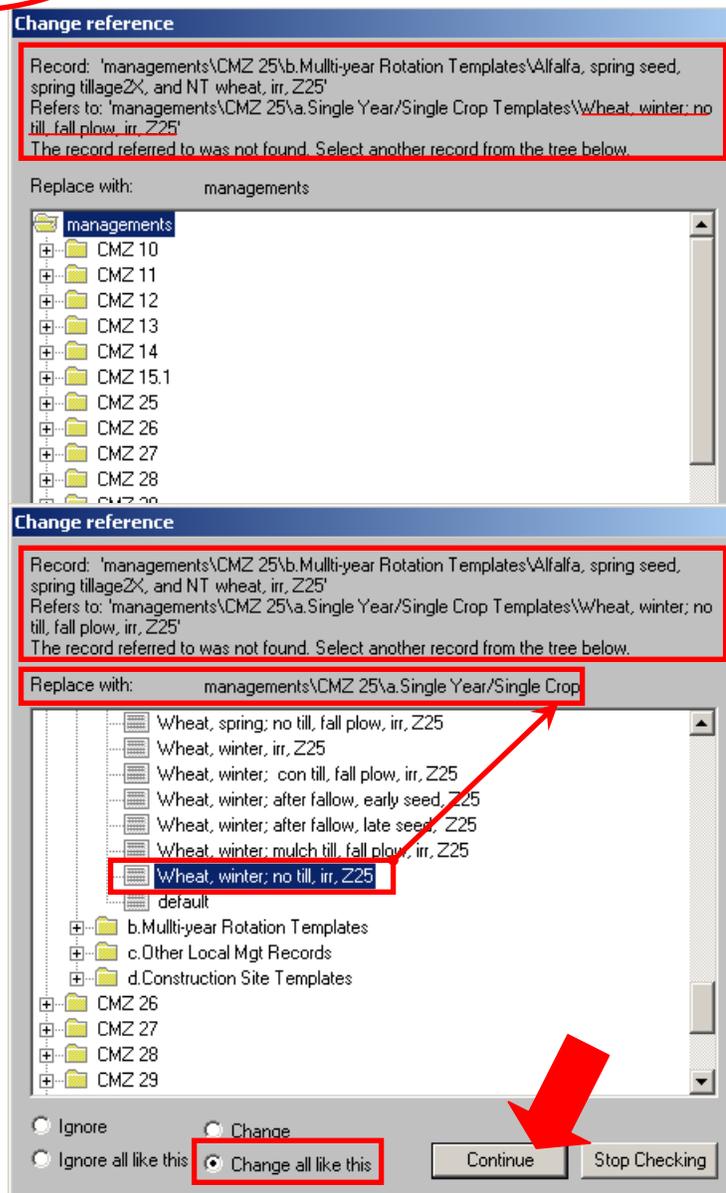


Fixing Broken Links Created by Changes in the Database

- 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.
- You must manually reconnect the renamed record to the dependent record by selecting the new record in the database, choosing the “Change all like this” option so that all records looking for the old, deleted record will be replaced with the new, renamed record and then click “Continue”.
- 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 or the state agronomist to help you fix the broken links BEFORE ever using RUSLE2.



REMEMBER to connect all computers back to the database on the shared drive. You have to login as the user to connect to the database on the shared drive and be sure to check the Startup Database to lock it in.

If you are having difficulties contact your Area Resource Conservationist.

Approved By: /s/

Date: November 28, 2012

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