

# May 2010 – New RUSLE2 CMZ4 database for Iowa TSPs

The new RUSLE2 CMZ4 has been revised. Several files have been corrected and new vegetations/operations files are now available. Some cover crop folders have been renamed to indicate that these files must be used in a crop rotation. Three of the soils databases have also been updated. The new database has undergone extensive revision and is required to be used by all NRCS employees and TSPs when running the RUSLE2 program.

The following are instructions to update your local RUSLE2 database. The old database is to be renamed and archived to distinguish it from the new database that you will need to develop. It is recommended that you start reconstructing your files from this new database and not bring over files from your old database. However, you will still have access to your old files for reference or use.

**You can build new management files, profiles, worksheets and plans from scratch. The new CMZ 4 folder structure 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.**

**Step 1** – 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 1.26 May 10 moses.gdb”. This name change will definitely identify the file as an archive file. Note; you must have the RUSLE2 program closed out before you change the name. The active database file name is displayed in the lower right hand corner of the RUSLE2 screen. (See Figure 1)

**Step 2** – **COPY** the new May 10 moses.gdb to C: Program Files/USDA/RUSLE2 folder and connect your RUSLE2 program to then new database.

This step is to copy or cut and paste the new [RUSLE2 1.26 May 10 moses.gdb](http://www.ia.nrcs.usda.gov/technical/RUSLE2.html) file from the Iowa NRCS website at <http://www.ia.nrcs.usda.gov/technical/RUSLE2.html> to your RUSLE2 program on your C drive at C: Program Files/USDA/RUSLE2. NRCS has constructed a statewide database file that can be down loaded and used by TSPs. As of May 2010 this file contains the latest CMZ4, Soils, and Base Database files. To select this file go to the top tool bar in the RUSLE2 program Database\open alternative and select the RUSLE2 1.26 Iowa May 10 moses.gdb file. 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.

**Step 3** – This step is only needed to import local database changes from the archived RUSLE2 moses database into the [RUSLE2 1.26 May 10.gdb](http://www.ia.nrcs.usda.gov/technical/RUSLE2.html) 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 May 10.gdb](http://www.ia.nrcs.usda.gov/technical/RUSLE2.html)” file. You may need to 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 May 10.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. (See figure 2-8)

Figure 1 – Determining the active database.

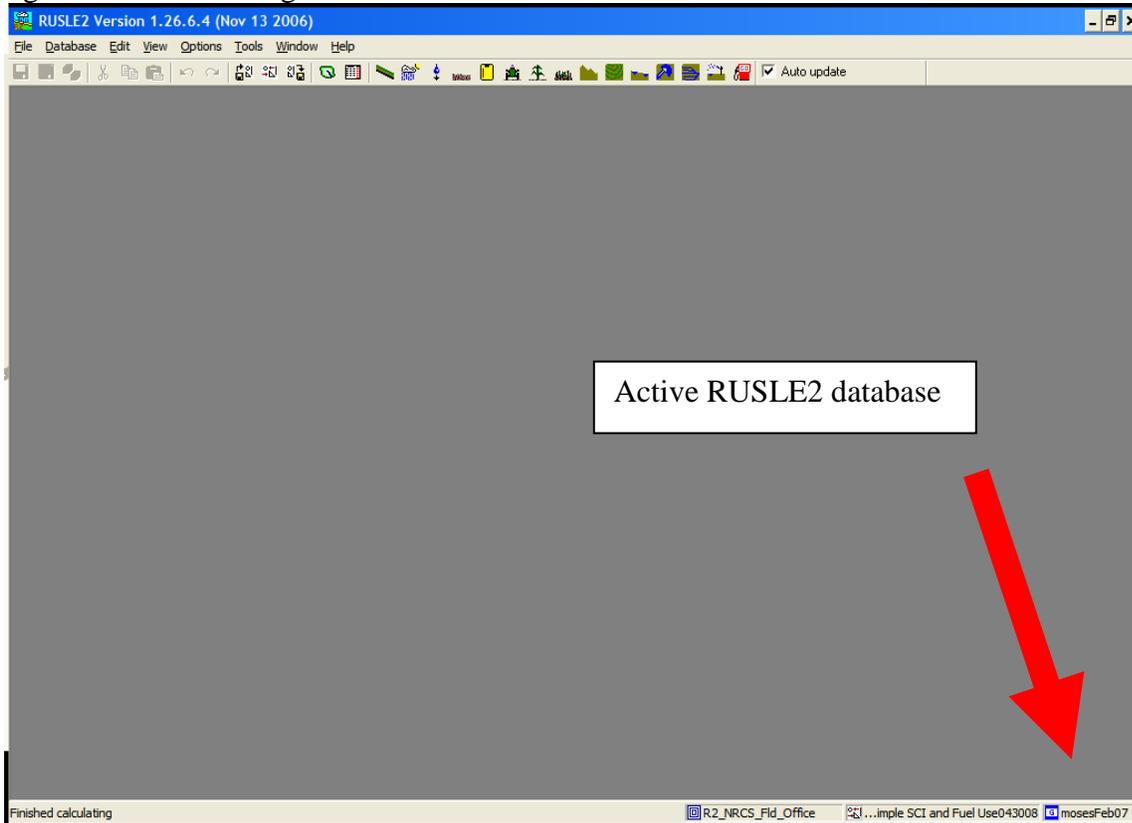


Figure 2. - Select Import Database - Select database/import RUSLE2 data

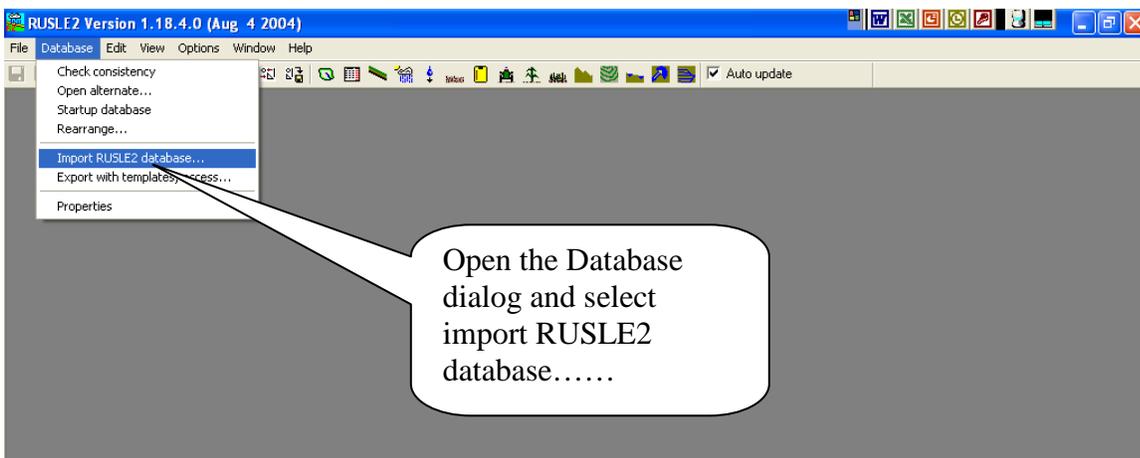


Figure 3. – Next locate the file that you would like to import (i.e. profile from “Archived RUSLE2 1.26 moses.gdb”). Click on the drop down arrow key by Import and navigate to the shared folder with the RUSLE2 database folders and find the “Archived RUSLE2 1.26 moses.gdb” Click open

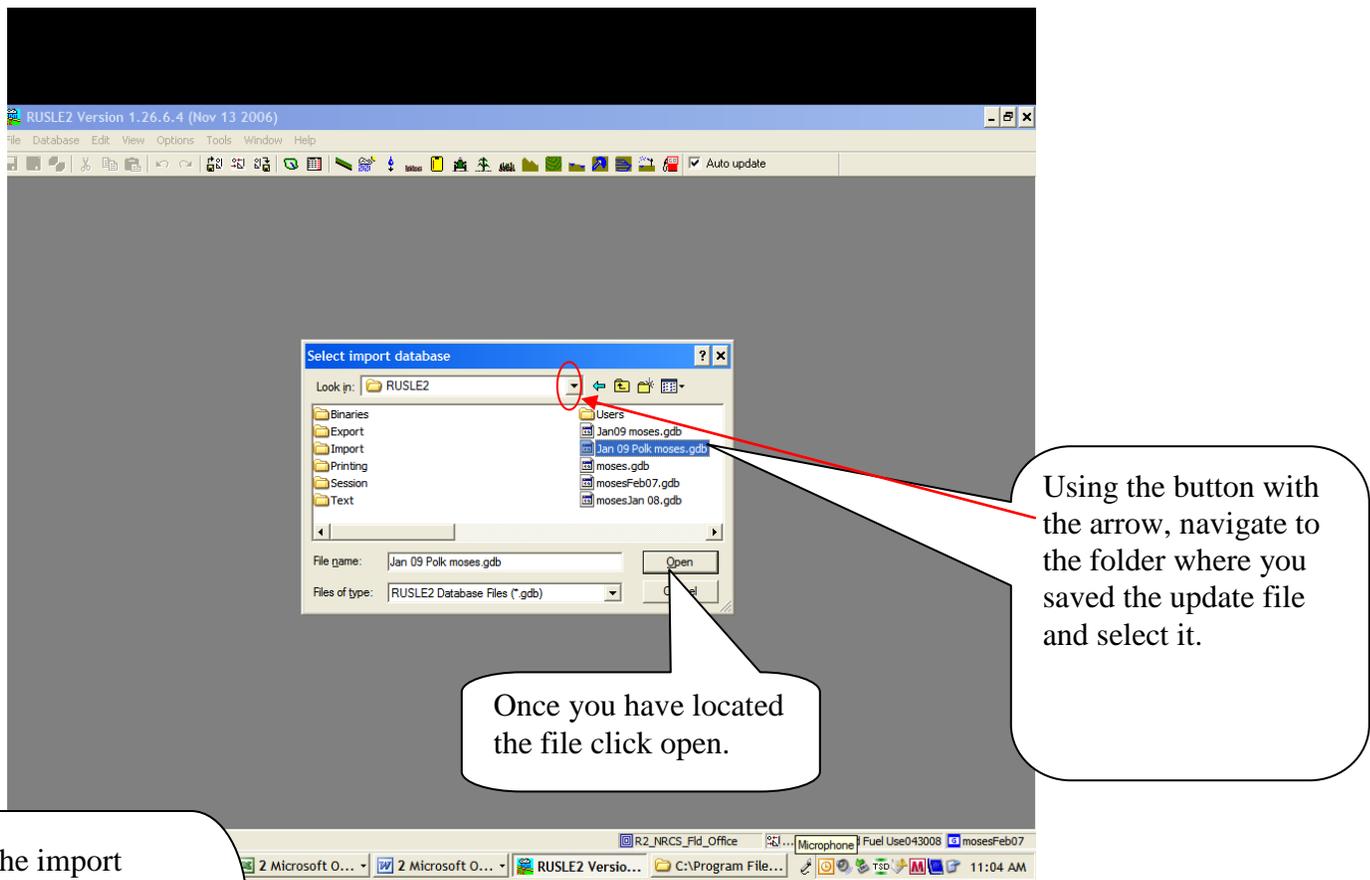


Figure 4. – Set up the import.

On the import database side of the screen, click the folder where the file is located that you want to import. For example if it is a profile, you would open the profile folder and select the file you wish to bring over by placing a check next to the file.

Click “None” to select no dependent records and “Import to same folder”, Then click “Import.”

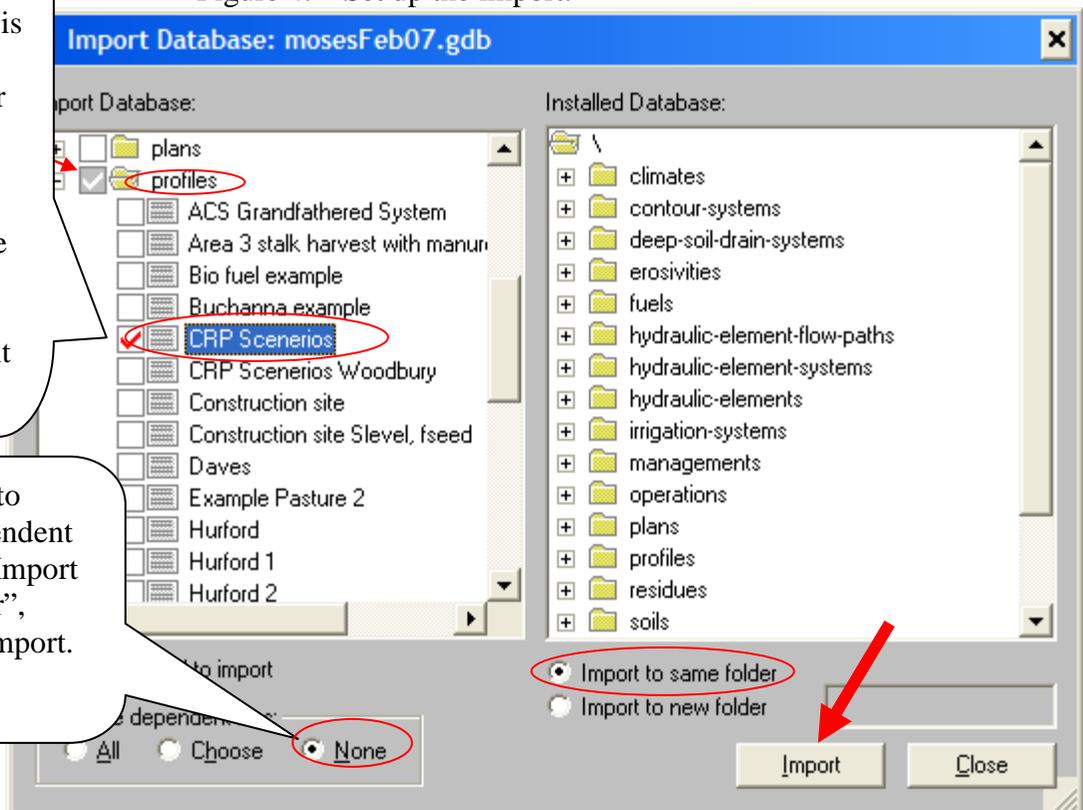


Figure 5.

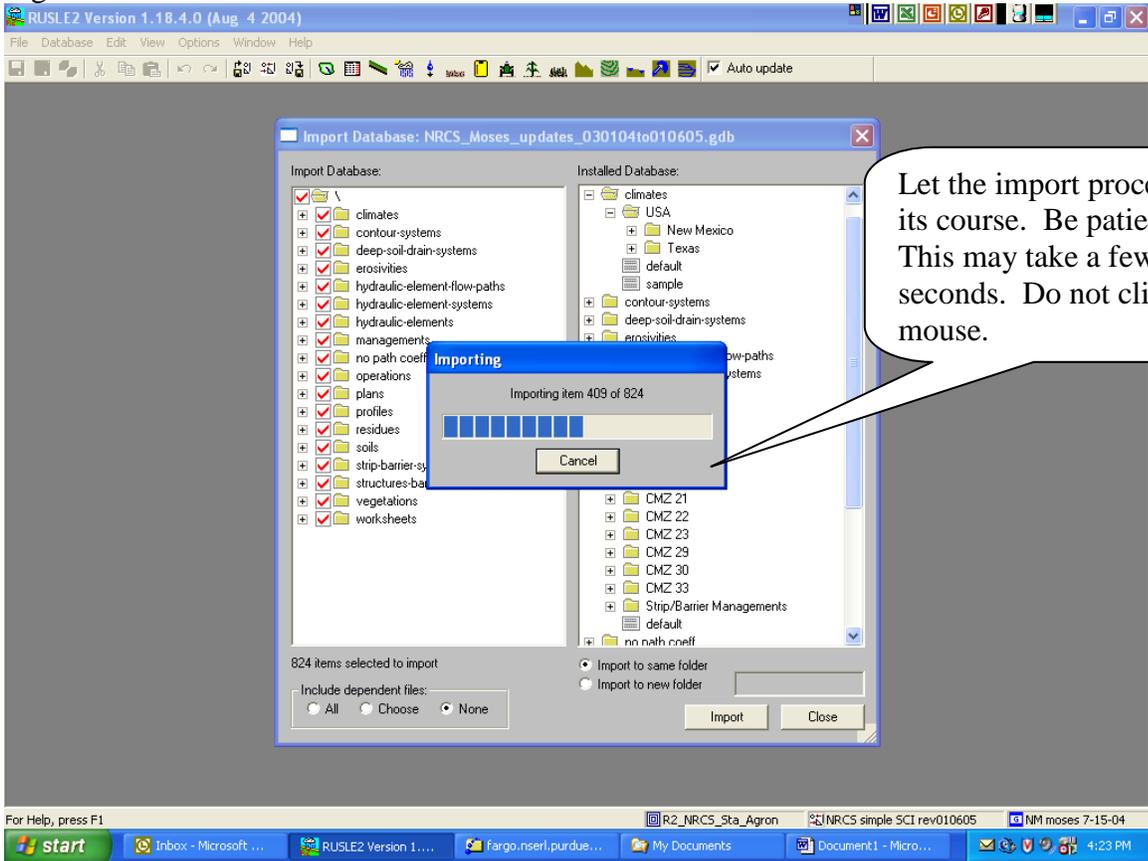


Figure 6.

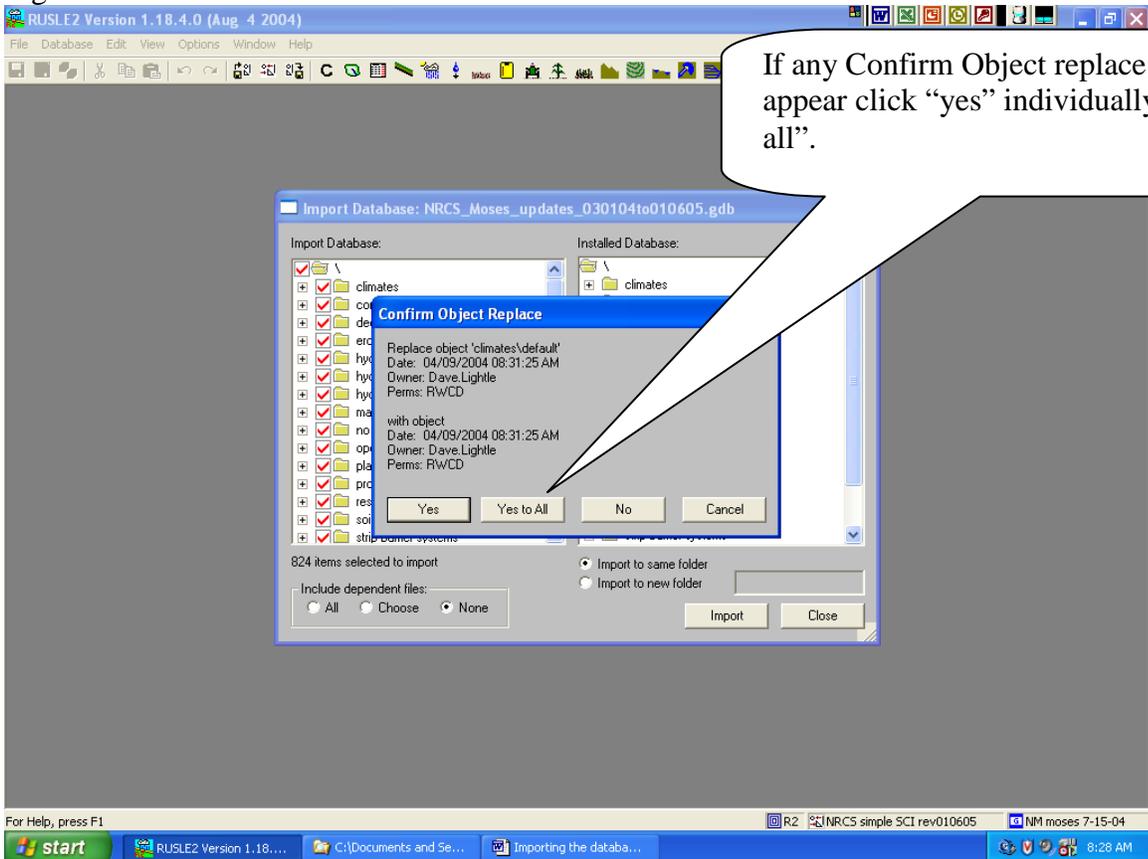


Figure 7.

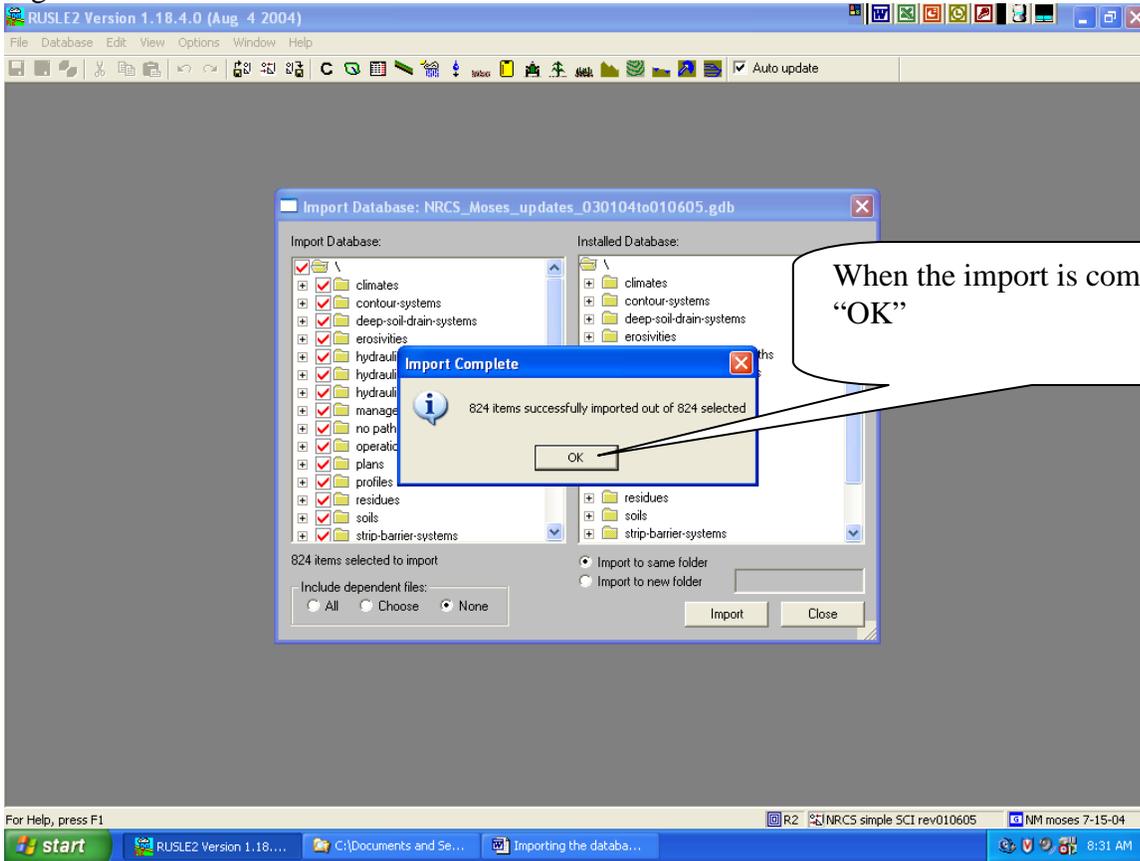
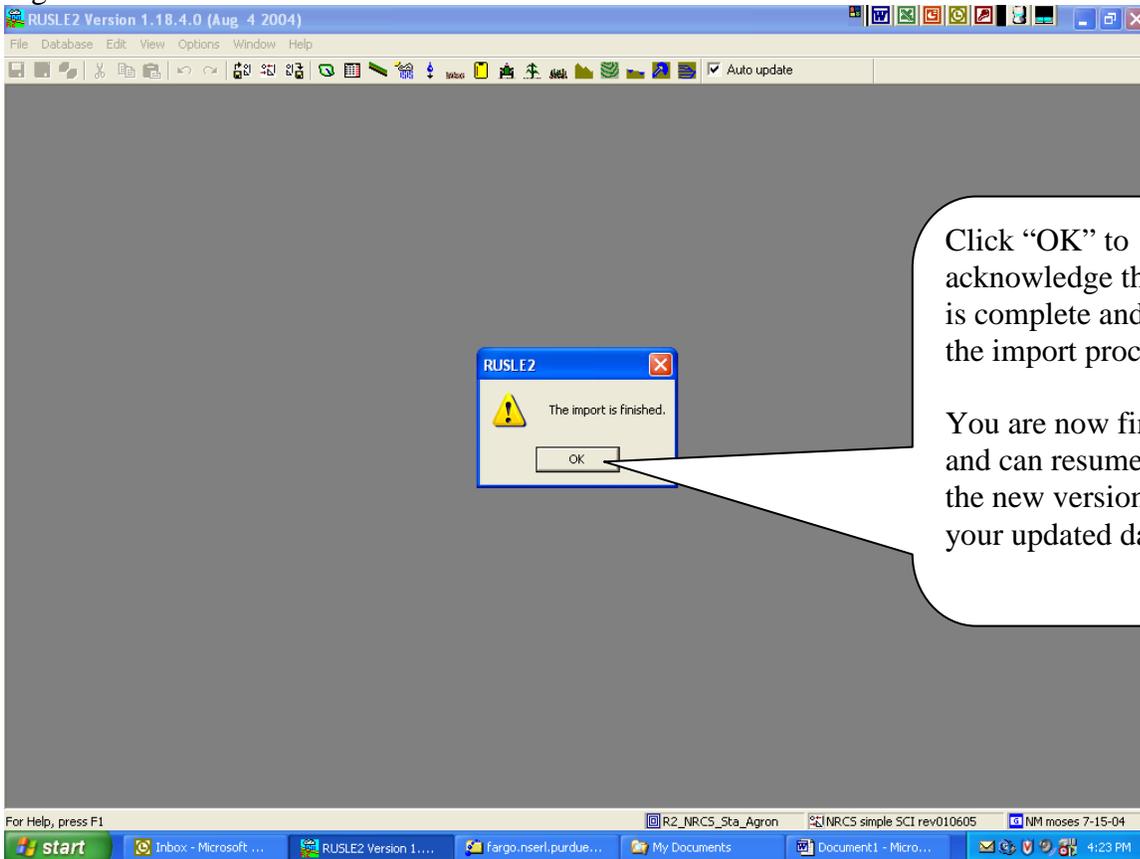
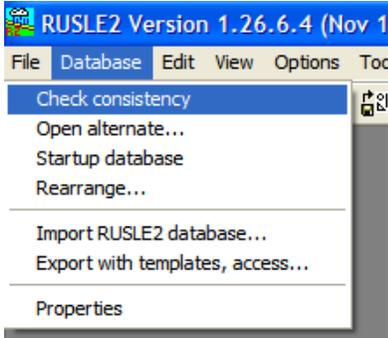


Figure 8.

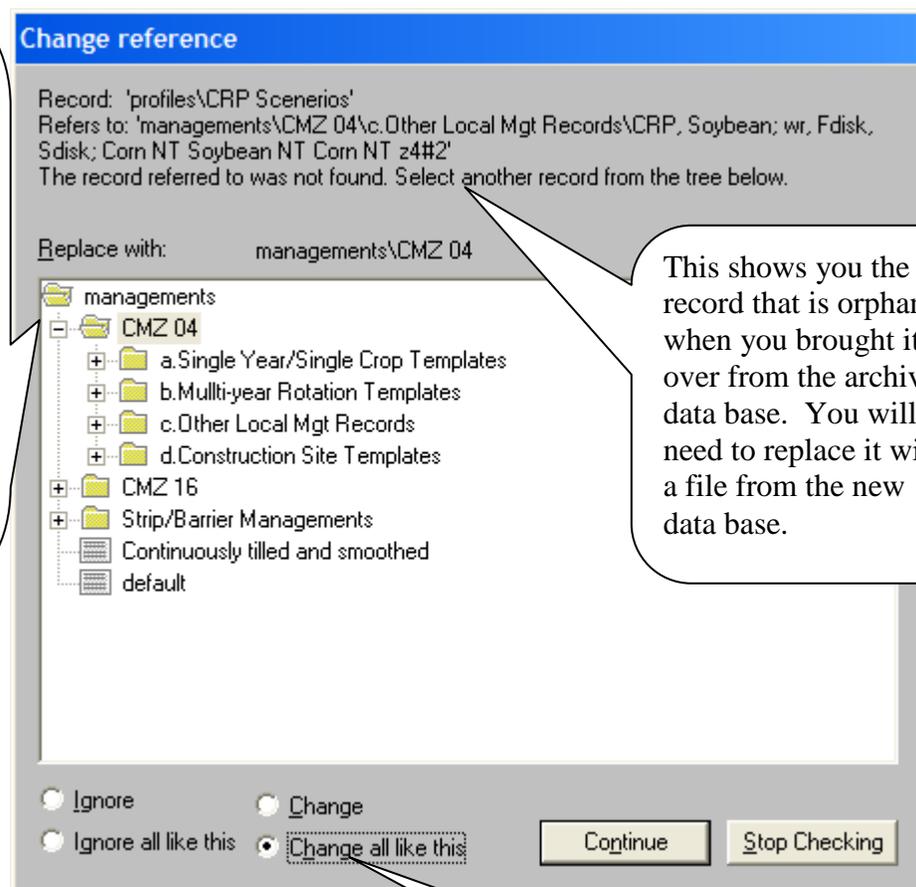


After the data has been imported, the RUSLE2 program may run a consistency check. If not, initiate the consistency check manually by selecting “Database” – “Check consistency”.



Start the check consistency 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: files have been updated so you will need to link some of your plans, worksheets and profiles to the correct crop files in the new moses database. Depending upon how many different management and crop files 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 management and crops select “Correct all like this” to help reduce the number of popup windows.**

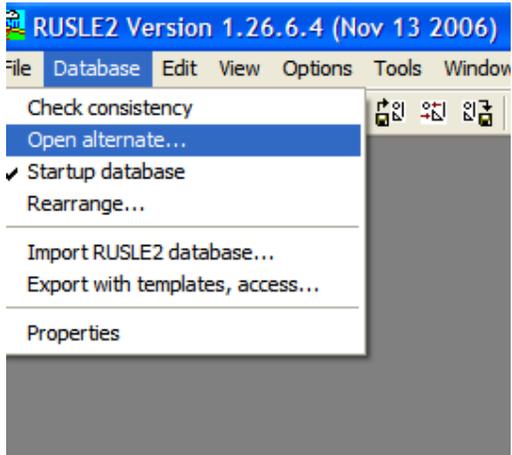
This is a broken link that must be reconnected to the new database. You can search the replacement tree to find the reference and reconnect it or connect it to one that is close and then go back in and modify it to reflect the profile you are trying to import.



This shows you the record that is orphaned when you brought it over from the archived data base. You will need to replace it with a file from the new data base.

Click change all like this and then click continue

Once the checked consistency has been completed you are ready to connect all computers to the shared moses database. With the user login to their computer have them select Database/Open Alternate and click dropdown arrow key and navigate to the new “**RUSLE2 1.26 “Iowa” May 10**” moses file.



Once you have selected the appropriate database file it should show up in the lower right hand corner “**RUSLE2 1.26 “Iowa” May 10**”.

Now to have the computer always open up to the correct database, go back to the top toolbar and click on Database and Startup database. Go back to Database and if there is a check mark next to startup database the computer will open up to this database everytime.