



# **WEPS DATABASE UPDATE INSTRUCTIONS, JULY 2012**

## BACKGROUND

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- ❑ NRCS has used the Wind Erosion Prediction System (WEPS) since the fall of 2010.
- ❑ An updated version of the Databases was posted and instructions were sent out in the spring of 2011.
- ❑ A new version of the model was sent out in the fall of 2011.

# TIME FOR ANOTHER DATABASE UPDATE

- ✘ Work was started last year to add the non ground disturbing operations to RUSLE 2 template management files.
- ✘ At the same time work continued on WEPS operations and crop files.
- ✘ WEPS and RUSLE 2 databases have been better aligned, except for where model differences did not permit full alignment.
- ✘ There are two PDFs that show what changes were made to the operations and crop files. See the web:  
<http://weru.ksu.edu/nrcs/downloads/Database%20Update%20Notes/Crop%20Files%20DB%20Update%20notes%205-3-12.pdf> for Crops and  
<http://weru.ksu.edu/nrcs/downloads/Database%20Update%20Notes/Operations%20Files%20DB%20Update%20notes%203-29-12.pdf> for Operations. (Files also attached)

# DATABASE UPDATE PROCESS

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- ✘ By July 20, 2012 ITS will automatically deploy (push out) an update to the WEPS operations and crop files.
- ✘ When that happens the next time the user boots up WEPS they will be using the new files.
- ✘ The new files are called NRCS Crops 5-1-12.zip and NRCS Operations 5-1-12.zip.

# HOW DO I KNOW IF I AM UPDATED?

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- ✘ Check your *C:\Documents and Settings\All Users\Application Data\USDA\WEPS\Databases\NRCS\crops* directory. If it has any date other than 5-1-12 date in the name, the update was NOT successful.

## WHAT DO I DO IF I DID NOT RECEIVE THE PUSH?

- ✘ If you did not receive the update you can update it manually by accessing the WEPS Official web-site: <http://www.weru.ksu.edu/nrcs/wepsnrcs.html>
- ✘ Click on NRCS\_db-update\_tool
- ✘ Left click on the .exe
- ✘ Save it to any directory
- ✘ Once downloaded double click on the file. It will load the updated files automatically.
- ✘ Check to see if the update was successful (see previous slide).

# WHAT DOES THIS MEAN?

- ✘ When the two new zip files are loaded, the model will use the information every time the user builds a new or edits an old management file.
- ✘ It **will not** automatically update an existing or old management file. All old “runs” will remain the same unless they are manually updated.
- ✘ Users will need to manually update their local and FO managements if they want to use the updated databases in them.
- ✘ Runs made for inventory purposes using the old data **should not** be updated. They should be saved in the Toolbox inventory directory or saved in the users C:\Documents and Settings\your.name\My Documents\My WEPS Files directory and remain unchanged. (example: create a directory called “Runs2011”; copy all old runs to this file).

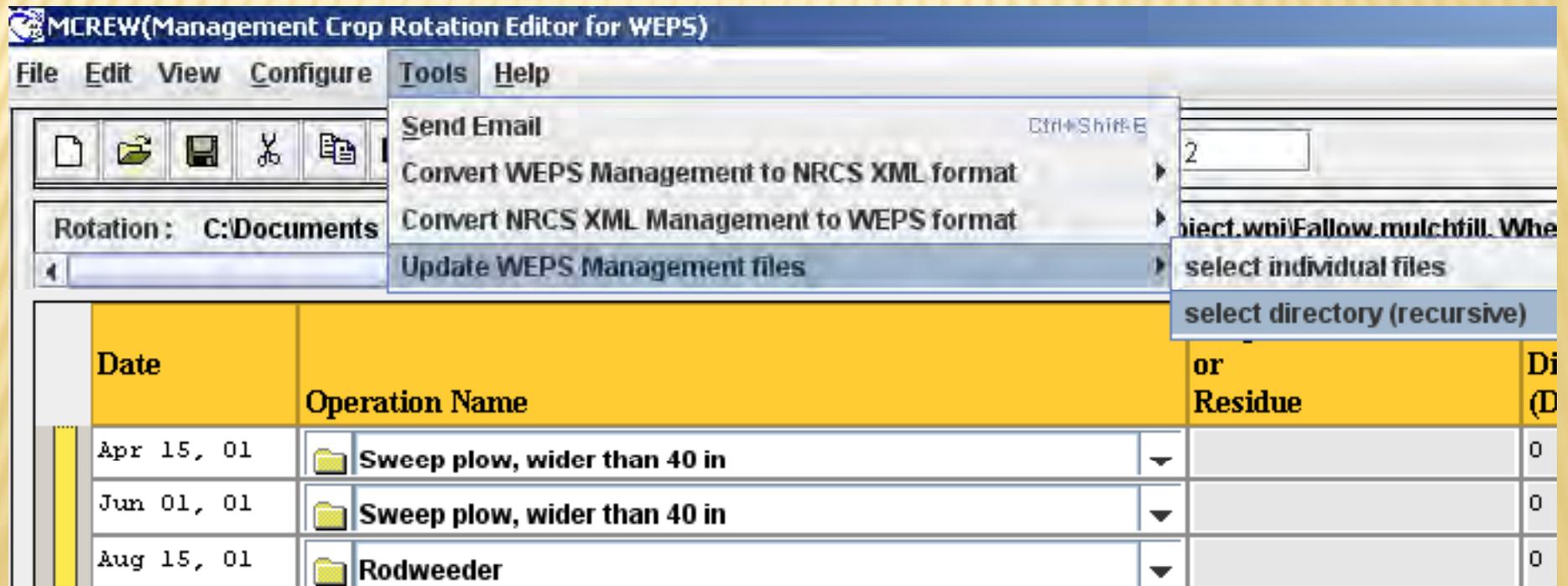
# UPDATE EXISTING MANAGERMENTS

- ✘ Update your existing managements by clicking the Man button in the lower left hand part of the main WEPS screen. This takes you to the WEPS Management editor (called MCREW).

| Date       | Operation Name               | Crop or Residue |
|------------|------------------------------|-----------------|
| Apr 15, 01 | Sweep plow, wider than 40 in |                 |
| Jun 01, 01 | Sweep plow, wider than 40 in |                 |
| Aug 15, 01 | Rodweeder                    |                 |

# UPDATE EXISTING MANAGERMENTS CONT.

- ✘ Now click Tools, Update Management files, and select directory (recursive).

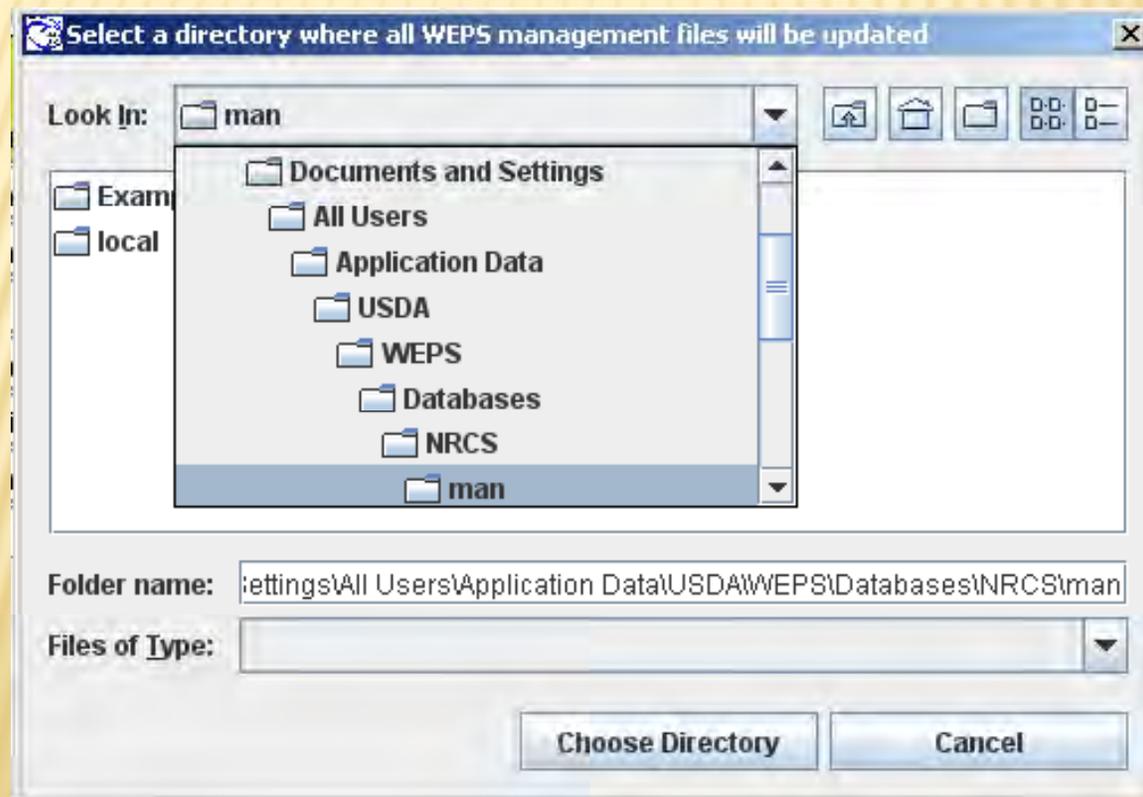


The screenshot shows the MCREW (Management Crop Rotation Editor for WEPS) application window. The menu bar includes File, Edit, View, Configure, Tools, and Help. The Tools menu is open, showing options: Send Email (Ctrl+Shift+E), Convert WEPS Management to NRCS XML format, Convert NRCS XML Management to WEPS format, and Update WEPS Management files. The 'Update WEPS Management files' option is selected, and its sub-menu is open, showing 'select individual files' and 'select directory (recursive)'. The 'select directory (recursive)' option is highlighted. Below the menu, a table displays crop rotation operations.

| Date       | Operation Name   | or Residue | Di (D) |
|------------|--|------------|--------|
| Apr 15, 01 |  Sweep plow, wider than 40 in |            | 0      |
| Jun 01, 01 |  Sweep plow, wider than 40 in |            | 0      |
| Aug 15, 01 |  Rodweeder                    |            | 0      |

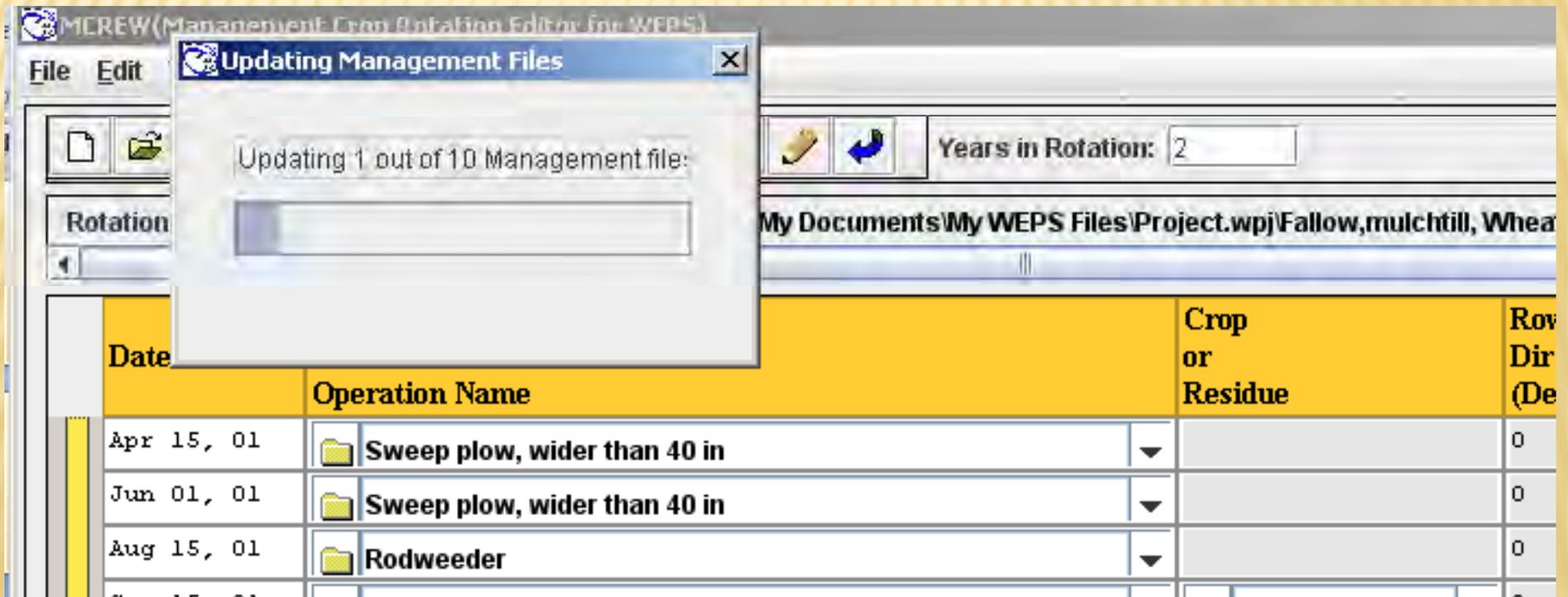
# UPDATE EXISTING MANagements CONT.

- ✘ This opens a file chooser that allows you to select the path of the man directory. Click choose directory when correct path is found. C:\Documents and Settings\All Users\Application Data\USDA\WEPS\Databases\NRCS\man



# UPDATE EXISTING MANAGERMENTS CONT.

- ✘ Say yes to the warning that tells you changes can not be undone. WEPS will then tell how many files it is updating and how many have been done.

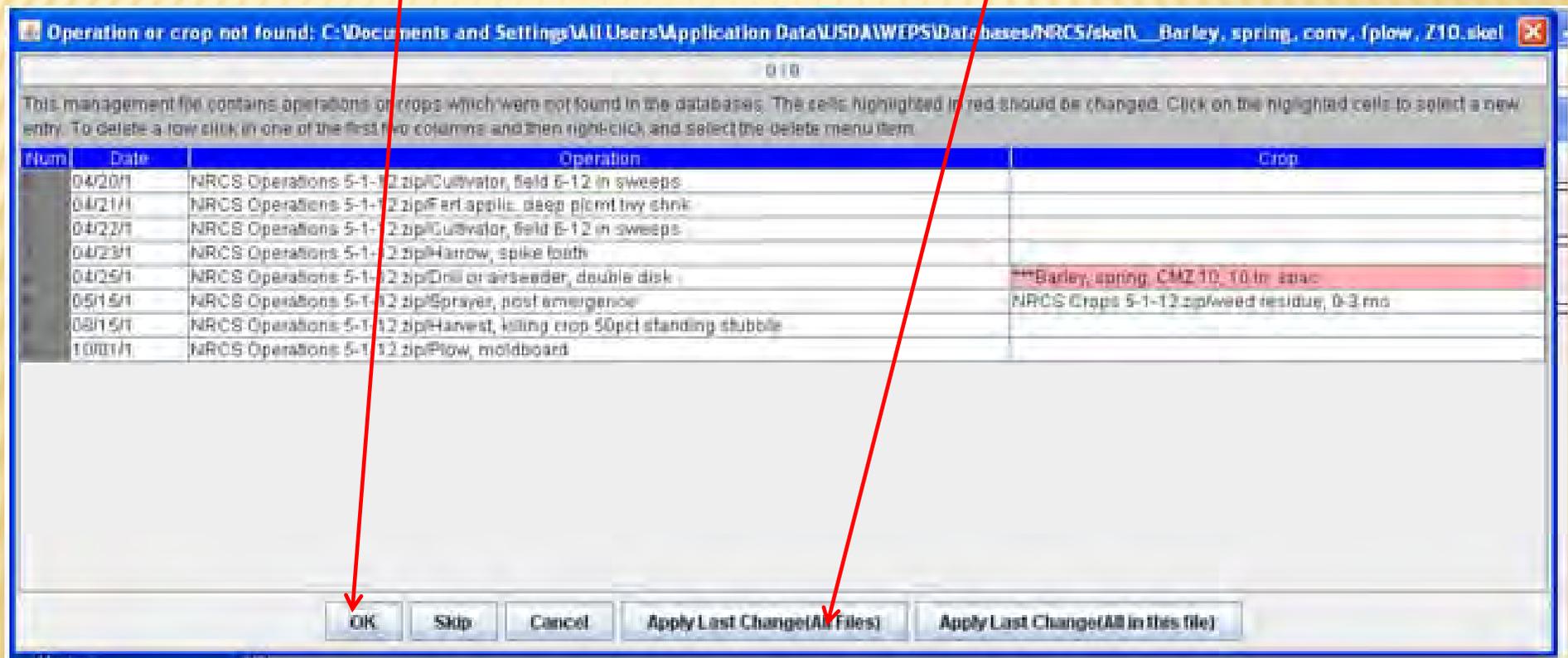


The screenshot shows the MCREW (Management Crop Rotation Editor for WEPS) software interface. A dialog box titled "Updating Management Files" is open, displaying the message "Updating 1 out of 10 Management file:". The background window shows a table with columns for Date, Operation Name, Crop or Residue, and Row Dir (De). The table contains three rows of data:

| Date       | Operation Name               | Crop or Residue | Row Dir (De) |
|------------|------------------------------|-----------------|--------------|
| Apr 15, 01 | Sweep plow, wider than 40 in |                 | 0            |
| Jun 01, 01 | Sweep plow, wider than 40 in |                 | 0            |
| Aug 15, 01 | Rodweeder                    |                 | 0            |

# WHILE UPDATING ...

If WEPS does encounter a crop or operation error, it will show up “pink” like the one below. To “fix” this error, Left Click on the pink line (the list of choices pops up), find the proper file name and select it by Left Clicking; then Left click on “Apply Last Changes (All Files); left click on “OK”. (Note: out of over 18,000 files on my computer I had only 6 errors).



# UPDATE COMPLETE

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- ✘ That is all that is needed to complete the crops and operations database update for WEPS.
- ✘ If you have questions call or Email Rick Fasching at 503-273-2425 [richard.fasching@por.usda.gov](mailto:richard.fasching@por.usda.gov) or Linda Scheffe at 505-401-0741 [Linda.Scheffe@lin.usda.gov](mailto:Linda.Scheffe@lin.usda.gov).