

Winter time “Snirt”, Michigan



Bale wind break Clovis, NM

# WEPS DATABASE & CMZ INSTRUCTIONS, OCTOBER 2012

# BACKGROUND

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- ❑ NRCS has used the Wind Erosion Prediction System (WEPS) since the fall of 2010.
- ❑ A new version of the model was sent out in the fall of 2011. WEPS 1.2.9
- ❑ An update of Crops and Operations databases used for WEPS was posted and instructions were sent out in the spring of 2011.
- ❑ In July, 2012 an Update\_DB program was installed on all computers with WEPS to assist with updating databases.
- ❑ An update for all Crop Management Zone (CMZ) templates is planned for posting and downloading.

# ABOUT THE UPDATED DATABASES

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- ✘ There are two PDFs that include the changes were made to the operations and crop files in the July DB update.
- ✘ Crops Database:  
<http://weru.ksu.edu/nrcs/downloads/Database%20Update%20Notes/Crop%20Files%20DB%20Update%20notes%205-3-12.pdf>
- ✘ Operations Database:  
<http://weru.ksu.edu/nrcs/downloads/Database%20Update%20Notes/Operations%20Files%20DB%20Update%20notes%203-29-12.pdf>

# DATABASES, WHERE ARE WE NOW?

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- ✘ On July, 2012, ITS automatically deployed (pushed out) an update of the WEPS operations and crop files.
- ✘ The new files were uploaded and named:
- ✘ Crops Database: **NRCS Crops 5-1-12.zip**
- ✘ Operations Database: **NRCS Operations 5-1-12.zip.**

# HOW DO I KNOW IF CROPS AND OPERATION DATABASES ON MY MACHINE ARE UP TO DATE?

- ❑ The upload placed the database files (zip files with a 5-1-12 date) in the following locations:
  - ❑ Windows XP computers:
    - ❑ **Crops Database:**
      - ❑ C:\Documents and Settings\All Users\Application Data\USDA\WEPS\Databases\NRCS\crops
    - ❑ **Operations database:**
      - ❑ C:\Documents and Settings\All Users\Application Data\USDA\WEPS\Databases\NRCS\operations
  - ❑ Windows 7 computers:
    - ❑ **Crops Database:**
      - ❑ C:\Program Data\USDA\WEPS\Databases\NRCS\crops
    - ❑ **Operations database:**
      - ❑ C:\Program Data\USDA\WEPS\Databases\NRCS\operations
- ❑ If the downloaded database zip files have a 5-1-12 date in the name, the update was successful.

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

- ✘ If you did not receive the database update you can update it manually by accessing the WEPS Official web-site:

<http://www.weru.ksu.edu/nrcs/wepsnrcs.html>

Click NRCS Downloads, right click on

- ✘ Left click on “NRCS\_db-update\_tool”
- ✘ Right Click on [NRCS\\_db\\_update\\_aug2012.exe](#)
- ✘ Click “Save target as” and save to any directory folder
- ✘ Once downloaded double click on the file. It will load the updated database files automatically.
- ✘ Check to see if the update was successful (see previous slide).

# WHAT DOES UPDATED MEAN?

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- ✘ When the two new zip files are loaded, WEPS will use the information every time the user builds a new or edits an old management file.
- ✘ WEPS **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 updated databases.
- ✘ Previous Runs made for inventory purposes using the old data **should not** be updated. They should be archived/saved in the Toolbox inventory directory **or** C:\Documents and Settings\your.name\My Documents\My WEPS Files directory and remain unchanged.

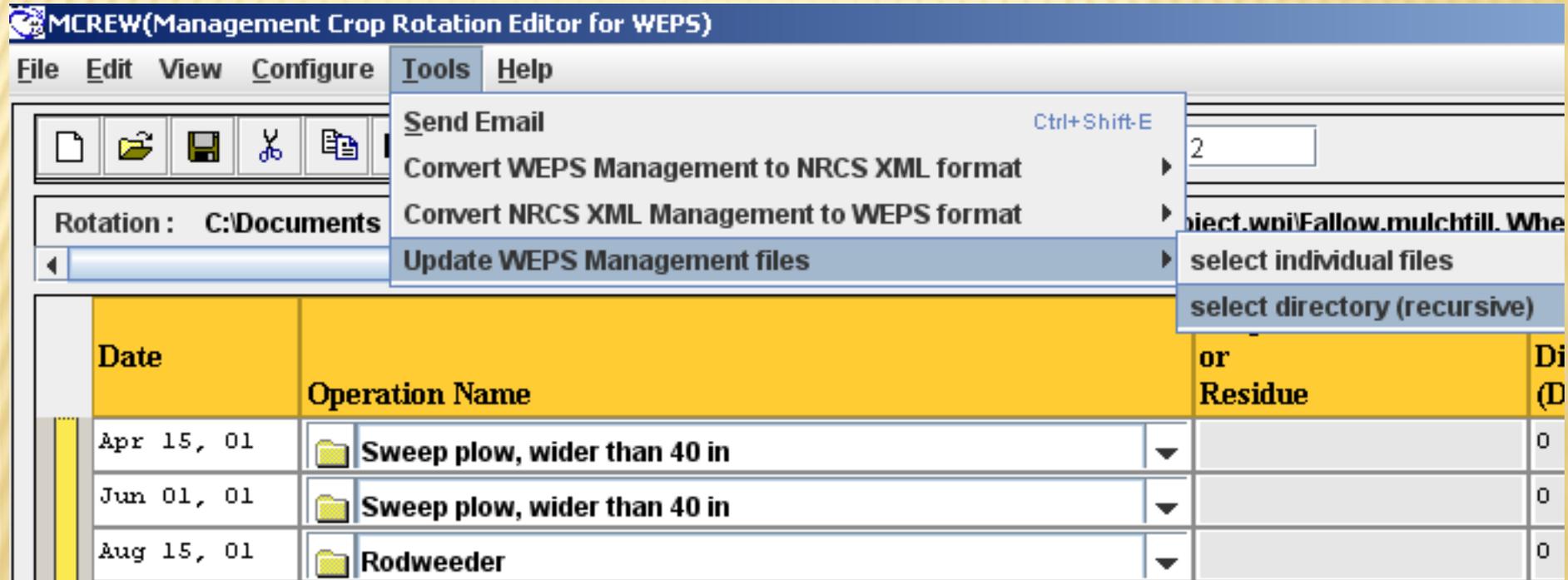
# HOW DO I UPDATE EXISTING MANAGERMENTS?

- ✘ 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.

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 title bar reads "MCREW(Management Crop Rotation Editor for WEPS)". The menu bar includes "File", "Edit", "View", "Configure", "Tools", and "Help". The "Tools" menu is open, displaying the following options:

- Send Email (Ctrl+Shift-E)
- Convert WEPS Management to NRCS XML format
- Convert NRCS XML Management to WEPS format
- Update WEPS Management files (highlighted)

The "Update WEPS Management files" option has a sub-menu open, showing:

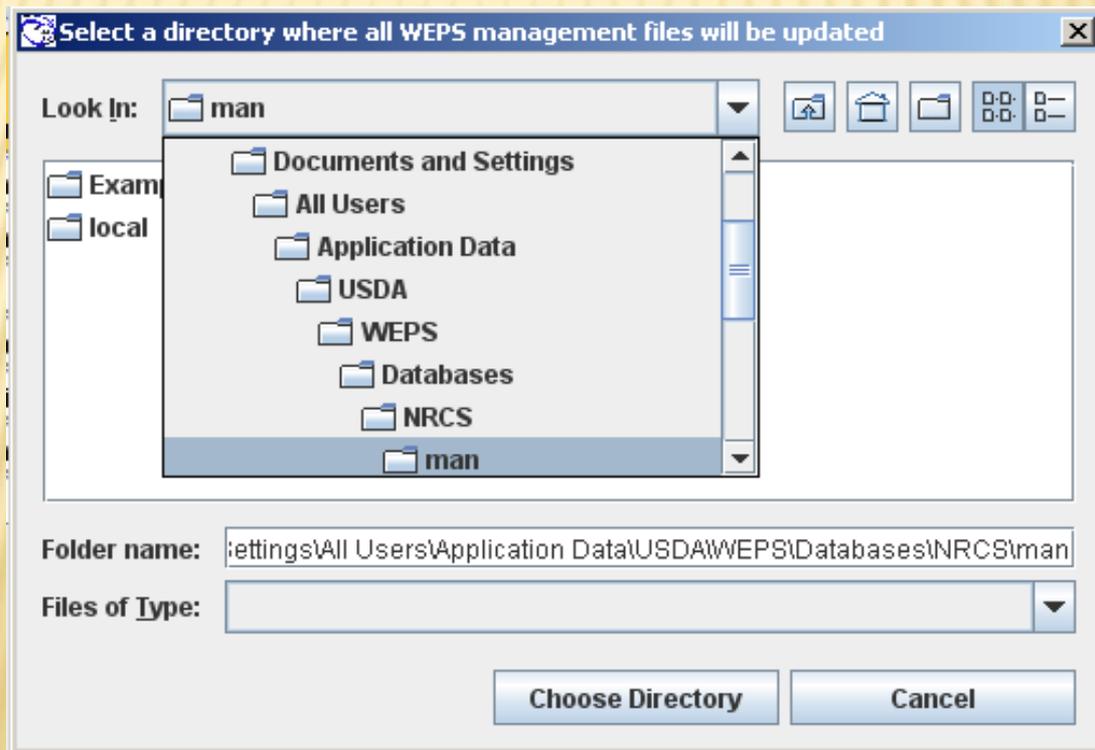
- select individual files
- select directory (recursive) (highlighted)

The main window displays a table with the following data:

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, select the path to the “man” directory. Click “choose directory” when correct path is found.
- ✘ Windows XP:  
C:\Documents\_and\_Settings\All\_Users\Application\_Data\USDA\WEPS\Databases\NRCS\man
- ✘ Windows 7:  
C:\ProgramData\USDA\WEPS\Databases\NRCS\man



# UPDATE EXISTING MANAGERMENTS CONT.

- ✘ Say yes to the warning that tell 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 text "Updating 1 out of 10 Management file:" and a progress bar. The main 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

# NEW CMZ MANAGEMENT FILES, OCT 2012

- ✘ CMZ template updates: Work was started in 2011 to add 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.
- ✘ WEPS and RUSLE2 have new CMZ template management files. These templates contain the energy requirements for fertilizer and pesticide applications, and all of the new crop and operation files.
- ✘ This is the set of management templates that will be stored in the LMOD DB, and used in new desktop planning tool.

# USE THE NEW MANAGERMENTS

- ✘ In late October, 2012 work on the new CMZ templates was completed.
- ✘ We recommend that all old CMZ templates be deleted.
- ✘ All CMZ templates have been updated except for CMZ 42.
- ✘ Updated CMZ templates can be downloaded from:  
[http://weru.ksu.edu/nrcs/downloads/WEPS\\_Management\\_templates%20\(CMZ%20files\)/](http://weru.ksu.edu/nrcs/downloads/WEPS_Management_templates%20(CMZ%20files)/)
- ✘ Replace the old CMZs. DO NOT USE THE OLD CMZs, they contain incorrect crop and operation data.

# USE THE NEW CMZ MANAGEMENT TEMPLATES

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- ✘ Go to website to download appropriate CMZ templates:
- ✘ [http://weru.ksu.edu/nrcs/downloads/WEPS\\_Management\\_templates%20\(CMZ%20files\)/](http://weru.ksu.edu/nrcs/downloads/WEPS_Management_templates%20(CMZ%20files)/)
  
- ✘ Right click on the desired CMZ zip file, then click save target as, browse to the following Folder directory and save.
  
- ☐ Windows XP computers:
  - ☐ C:\Document\_and\_Settings\All\_Users\ApplicationData\USDA\WEPS\Databases\NRCS\man
  
- ☐ Windows 7 computers:
  - ✘ C:\ProgramData\USDA\WEPS\Databases\NRCS\man

# UPDATE COMPLETE

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- ✘ Summary: Completing and using the crops and operations database updates for WEPS.
- ✘ Summary: Downloading and using updated CMZ templates for WEPS.
- ✘ If you have questions:
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