

**VIRGINIA NRCS RUSLE2 QUICK GUIDE**

# **Installing RUSLE2 Software on Non-USDA Computers in Virginia**

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*The purpose of these instructions is to enable Virginia RUSLE2 users on **NON-USDA** computers to load the same RUSLE2 software and data currently in use by NRCS Field Office personnel in Virginia. If you already have RUSLE2 installed and want to "start fresh", remove the software and all associated files from your computer before following these instructions. If you already have RUSLE2 installed and simply want the RUSLE2 data currently in use by Virginia NRCS, then STOP and find the latest Virginia RUSLE2 UPDATE guidance! These instructions work for "typical" non-USDA PCs in Virginia. If your computer situation is not typical, you may call Chris Lawrence for help, but in general it will be up to you to figure out how to adjust these instructions to fit your needs.*

## **STEP A. FIND & RUN THE RUSLE2 INSTALLER**

**1. Find the RUSLE2 program installer on the official NRCS RUSLE2 website at Purdue University.**

Go to [http://fargo.nserl.purdue.edu/rusle2\\_dataweb/RUSLE2\\_Index.htm](http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm). On left-hand menu under "RUSLE2 Program File," click "Download File" link. The installer is likely the only ".exe" file you will see (currently the file name is "R2NRCS\_2006114.exe").

**2. Run the RUSLE2 installer, making note of directory where RUSLE2 is installed on your machine.**

Double-click to run the installer directly from the Purdue R2 website or save the installer to your desktop, then run the installer from your desktop. Accept default installation settings, including default installation directory or folder. Make a note of this installation location, which I call your "RUSLE2 hard drive folder." I also recommend placing RUSLE2 icons on your desktop or startup menu.

**3. Create a desktop shortcut to your RUSLE2 hard drive folder**

Navigate to your RUSLE2 hard drive folder (the hard drive location where you just installed RUSLE). For XP users, this location is typically C:/Program Files/USDA/Rusle2. For Windows 7 users, this location is typically C:/Program Files (x86)/USDA/Rusle2. Place a shortcut to this folder on your desktop (one way to do this: highlight the target folder, then right-click, then choose "Send To... Desktop (create shortcut)"). You will use this shortcut to your RUSLE2 hard drive folder in next steps below.

**4. Make sure RUSLE2 will start**

If RUSLE2 didn't already start, use your desktop or start menu icon to start RUSLE2. Cancel or say "no" to any dialog boxes that might pop up. Once the gray RUSLE2 screen opens, look for the name of the active moses database in the bottom righthand corner of your RUSLE2 screen. This will probably say "moses". Close RUSLE2.

## **STEP B. DOWNLOAD CUSTOMIZED RUSLE2 DATA FOR VIRGINIA**

**1. Save latest Virginia moses database to your RUSLE2 hard drive folder**

This link should take you to the target file: <http://efotg.sc.egov.usda.gov/references/public/VA/moses.va.allVA.2012.Nov.zip> (If this link doesn't work, see Step 3 below). This zipped file called "moses.va.allVA.2012.Nov.zip" contains data that can only be read by RUSLE2. Do not open it. Save it into your RUSLE2 hard drive folder (use the new shortcut to this folder on your desktop).

**2. Save latest Virginia RUSLE2 hard drive data update to your RUSLE2 hard drive folder**

This link should take you to the target file

[http://efotg.sc.egov.usda.gov/references/public/VA/VAR2\\_HardDriveFolder\\_Update\\_2012Nov.zip](http://efotg.sc.egov.usda.gov/references/public/VA/VAR2_HardDriveFolder_Update_2012Nov.zip)

(If this link doesn't work, see Step 3 below). This zipped file called

“VAR2\_HardDriveFolder\_Update\_2012Nov.zip” contains data that can only be read by RUSLE2. Do not open it. Save it into your RUSLE2 hard drive folder (use the new shortcut on your desktop).

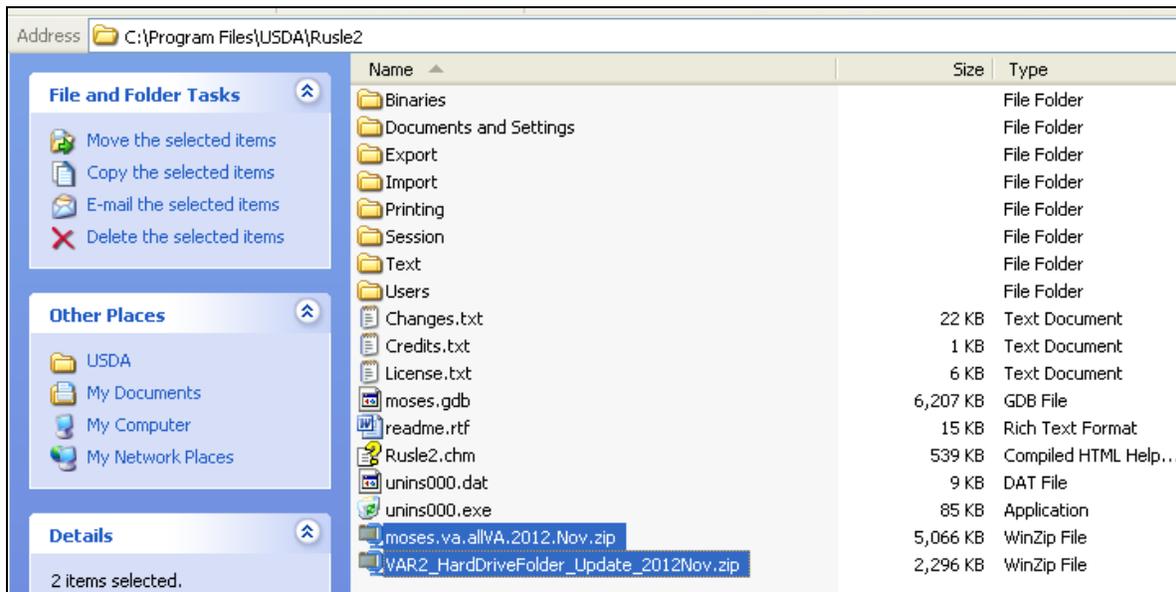
**3. If the above links don't work...**

- Navigate to the Virginia NRCS Electronic Field Office Technical Guide (eFOTG), Section I (one starting point: [http://efotg.sc.egov.usda.gov/efotg\\_locator.aspx?map=US](http://efotg.sc.egov.usda.gov/efotg_locator.aspx?map=US)). Go to “Erosion Information” → “2. Water Erosion” → “b. Sheet & Rill Erosion / RUSLE2” → “ii. VA RUSLE2 Latest Updates”.

**STEP C. UNZIP CUSTOMIZED RUSLE2 DATA FOR VIRGINIA**

**1. Open your RUSLE2 hard drive folder**

Open your RUSLE2 hard drive folder into which you have saved the two zipped Virginia RUSLE2 data files. Use shortcut on desktop that you created in Step A3., above. The folder contents now should look something like this:

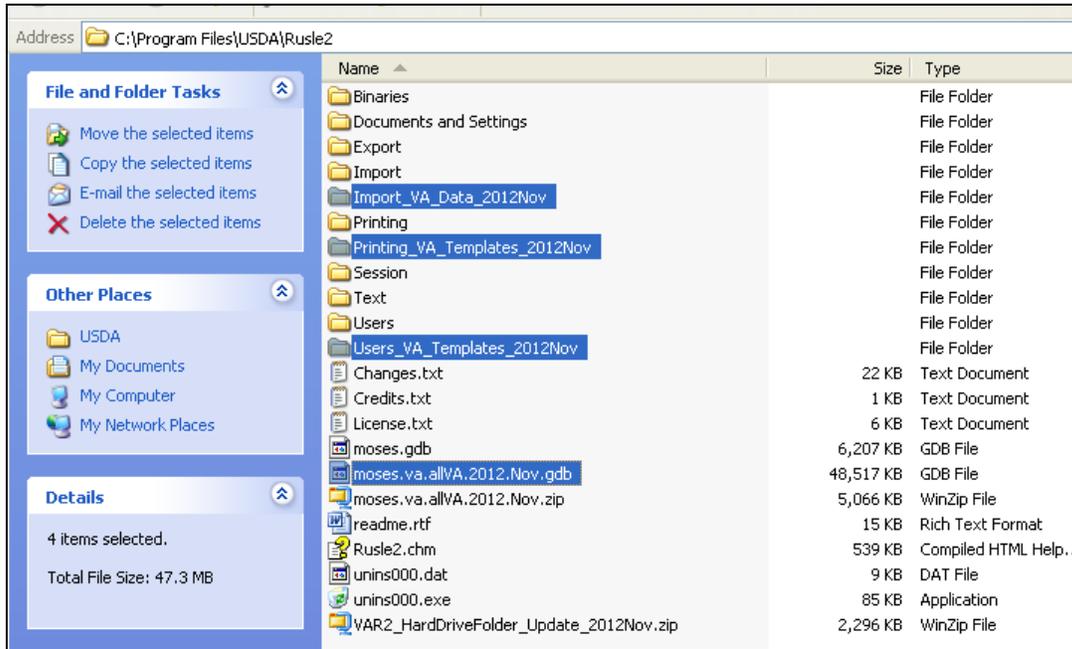


**2. Unzip “moses.va.allVA.2012.Nov.gdb ”**

Recommended method is right-click on the zipped file, then select “WinZip... Extract to here”. Other methods may be used. When complete, there should be a file in your RUSLE2 hard drive folder called “moses.va.allVA.2012.Nov.gdb”. This RUSLE2 database contains all climates, soils, crop management files, and other base RUSLE2 data currently in use by NRCS in VA. Do not double-click on or attempt to open the “.gdb” file – it can only be read from within the RUSLE2 software.

**3. Unzip "2012\_VA\_R2\_CDRIVE\_UPDATE.zip" to create three new VA-specific RUSLE2 subfolders**

Recommended method is to right-click the zipped file, then select "WinZip... Extract to here". Other methods may be used. When complete, your RUSLE2 hard drive folder should contain three new VA-specific subfolders containing RUSLE2 import data and printing and user templates currently in use by NRCS in VA. Sort folder contents by name. Now folder should look something like:

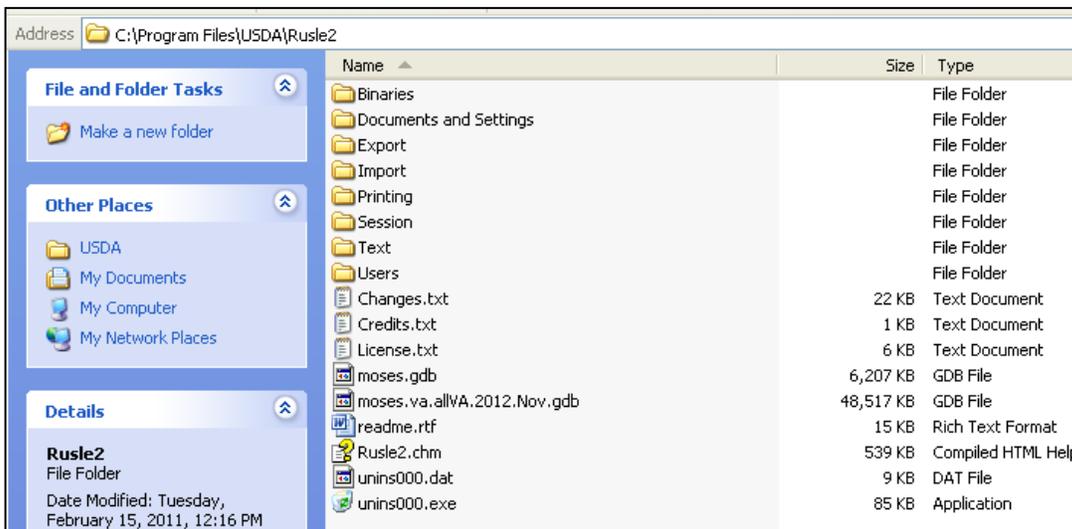


**4. Move new subfolders into existing subfolders**

Drag "Import\_VA\_Data\_2012Nov" into "Import" subfolder. Drag "Printing\_VA\_Templates\_2012Nov" into Printing subfolder. Drag "Users\_VA\_Templates\_2012Nov" into Users subfolder.

**5. Delete zipped files from RUSLE hard drive folder**

To minimize clutter and potential confusion, delete the two zipped files once above steps are complete. Now folder contents should look something like:



## **STEP D. OPEN RUSLE2 & CHOOSE NEW SETTINGS**

### **1. Start RUSLE2**

After startup, you may see an "Introduction" dialog box – if so, click "OK". Cancel, close, or say "no" to any other dialog boxes that pop up. Now look for name of active moses database in the bottom right corner of your RUSLE2 screen, which is probably "moses".

### **2. Select the new Virginia moses as your active database**

From the Database menu, select "Open Alternate". Select the new "allVA" moses database in your RUSLE2 hard drive folder. Now check that name of database you just selected is listed as the active moses database in the bottom right corner of RUSLE2 screen.

### **3. Make the new Virginia moses your Startup database**

Go back to the Database menu (top left) and select "Startup Database". From this point forward, RUSLE2 should automatically read the new database whenever you open the software.

### **4. Select the latest VA Basic User Template**

The RUSLE2 User Template controls appearance of your screen (how simple or complex it is). Your choice of User Template does not impact RUSLE2 data or calculations, but the right User Template can be very helpful. The name of the active User Template is shown just to the left of the active moses database name in the bottom right-hand corner of the RUSLE2 screen. If it does not say "VA Basic User Template 2012 Nov," right-click on the active User Template name, then select "Load". Choose the latest "VA Basic User Template" available. You may need to first open the subfolder called "Users\_VA\_Templates\_2012Nov" to find it!

### **5. Be aware of printing problems with Word 2010 and VA print templates**

If you are running Word 2010 on Windows 7, you may find that the Virginia-specific printing templates that you just downloaded (found in "Printing\_VA\_Templates\_2012Nov" subfolder within "Printing" subfolder") do not work when you attempt to print. I can find no explanation or solution for this problem. Hopefully the printing templates that came with the installer will work for you.