

Date: September 2010 Software versions: 3PGPJS 2.7 / 3-PG Sep2010
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3PGPJS is a user-friendly interface for the 3-PG forest growth model based on Microsoft Excel worksheets and coded in Visual Basic. The interface presumes some structure to input worksheets, yet is flexible enough to facilitate easy modification of site factors and default parameter values, etc. Full details of the interface and its use are included in the file **3PGPJS\_UserManual.pdf**.

Version 2.6 implements a small upgrade to the original Landsberg & Waring (1997) version of 3-PG.

There is significant work currently in progress that enhances the original model, together with easier debugging of the keyword-based 3PGPJS worksheets. The enhanced version of the model will be made available in an Excel implementation similar to 3PGpjs in due course.

### **Important note:**

**It is necessary to replace earlier 3PG\_PARAMETER sheets to use version 2.7.**

### **Changes in vsn 2.6 & 2.7**

Full details of the changes introduced in this release are in **3PGPJS\_WhatsNew.pdf**. The following is a summary

- 1) Two changes have been made in 3-PG in this release: conductance can have a non-zero value when LAI is zero or small, and modifiers have been introduced for atmospheric  $CO_2$ .
- 2) Minor changes have been made to the menu system, and the nag screen/disclaimer has been removed.
- 3) 3PGpjs workbooks no longer auto-load the 3-PG add-in, and 3PGPJS workbooks no longer include code in their **THISWORKBOOK** module. Use the Excel Tools|Add-Ins menu to load or unload the add-in.
- 4) A suite of simple charting tools have been added to the menu system, and the hot keys have been removed

## File list

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3PGPJS is distributed as a zip-file containing the following files:

<b>3PGPJS_ReadMeFirst.pdf</b>	This file - release & installation notes
<b>3PGpjs27.xla</b>	3PGPJS as an Excel add-in
<b>3PGpjs.help.xls</b>	3PGPJS help files as Excel worksheets
<b>3PGpjs.tools.xls</b>	Tools of interest to 3PGpjs users
<b>3PGpjs27.data.xls</b>	3PGPJS workbook containing various sample worksheets
<b>3PGPJS_UserManual.pdf</b>	Complete documentation
<b>3PGPJS_WhatsNew.pdf</b>	Detailed documentation of current updates

## Installation and Use

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To install 3PGPJS proceed as follows:

- a) Extract all files and folders in **3PGpjs27.zip** to a folder of your choice.
- b) Open 3PGPJS27.xls and save it as **3PGPJS27.XLA**
- c) Update your current 3PGpjs workbooks by copying the **3PGPJS27\_PARAMETERS** sheet to your old workbooks, and then update it with any changes you have made to parameter values.

You can have as many 3PGPJS workbooks as you desire.

To load the 3PGpjs add-in go to Excel's **TOOLS|ADD-INS** menu and place a tick against the '3PGPJS27' add-in name. If you do not see this listed, use the **BROWSE** button to locate it. You can also unload the add-in by repeating this process and removing the tick mark.

If you make changes to 3PGPJS, or have suggestions for a "wish list", please contact me by email.

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