

Memo

New binary files in MACROinFOCUS 5.5.3

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1.1 Rainfall files

New irrigation amounts were received from Jos Boesten. These were used to update the rainfall driving data files. The following files were updated:

cam6p.bin, cbm6p.bin, ccm6p.bin, cdm6p.bin, cem6p.bin, cfm6p.bin

These files are listed in the MACROinFOCUS database "Crops.mdb" under the field "rname" in table "crop".

In order to avoid having to modify the underlying database structure, the old binary files with rainfall data were renamed.

1.2 Evapotranspiration files

New crop factors were given for several crops. These were used to derive new driving data files of potential evapotranspiration and temperature. In total, 13 separate driving data files were produced.

1.3 New file names

The file names of driving data files (rainfall, evapotranspiration and temperature) are made up of a file prefix and the letter "p" for rainfall files and "et" for evapotranspiration and temperature files. For example: cam6p.bin and cam6et.bin.

The driving data files are linked to a specific crop. Previously only one driving data file with respect to ETP was used for all crops. In order to avoid to modify the database structure, or to hard code the names of the driving data files, the files were renamed. The prefixes of the file name of these new files are stored in the field "rname" in the table "Crop" in the "Crops.mdb" database. The table below summarizes the new file prefixes of the driving data files and for which crop they are used.

Crop	Old file prefix	New file prefix
Cereals, spring	Czm6	Ckm6
Pome/stone fruit	Cdm6	Cam6
Potatoes	Cam6	Cbm6
Sugar beets	Cbm6	Ccm6
Cereals, winter	Czm6	Cdm6
Vegetables, leafy	Cfm6	Cem6
Vegetables, root	Cfm6	Cfm6
Maize	Cem6	Cgm6
Oil seed rape, winter	Czm6	Chm6
Vegetables, bulb	Cfm6	Cim6
Legumes	Czm6	Cjm6

Crop	Old file prefix	New file prefix
Vegetables, fruiting	Cfm6	Clm6
Vines	Cdm6	Cmm6
Grass/alfalfa	Ccm6	Cnm6

This means that there will be several identical rainfall files, but with different names installed in the program directory.