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# Command Reference: CheckPenmanMonteith()

## Check Penman-Monteith data for problems

### StateCU Command

Version 3.10.00, 2010-04-02

The `CheckPenmanMonteith()` command checks the Penman-Monteith crop coefficient data for problems. The command should usually be used with a `WriteCheckFile()` command at the end of a command file.

The following dialog is used to edit the command and illustrates the syntax of the command.

**Edit CheckPenmanMonteith() Command**

This command checks StateCU Penman-Monteith crop coefficients.  
Currently no cross-checks are done with other StateCU components.  
Warnings are generated for the follow conditions:

- 1) Missing (undefined) required values.
- 2) Invalid numerical values (e.g., percent > 100).

Crop type (name):  Required - specify the crops to check (use \* for wildcard).

If not found:  Optional - indicate action if no match is found (default=Warn).

Command:  
`CheckPenmanMonteith ( ID="*" )`

OK Cancel

**CheckPenmanMonteith() Command Editor**

CheckPenmanMonteith

The command syntax is as follows:

```
CheckPenmanMonteith(Parameter=Value,...)
```

### Command Parameters

Parameter	Description	Default
ID	The name of the crop(s) to check. Use * to match a pattern.	None – must be specified.
IfNotFound	One of the following: <ul style="list-style-type: none"> <li>Fail – generate a failure message if the identifier is not matched</li> <li>Ignore – ignore (don't generate a message) if the identifier is not matched</li> <li>Warn – generate a warning message if the identifier is not matched</li> </ul>	Warn

The following example command file illustrates how Penman-Monteith coefficients can be defined, checked, and written to a StateCU file:

```
StartLog(LogFile="Crops_KPM.StateDMI.log")
#
# StateDMI commands to create the Penman-Monteith crop coefficients file
#
# Step 1 - read data from HydroBase
#
# Read the general ASCE standardized coefficients
ReadPenmanMonteithFromHydroBase(PenmanMonteithMethod="PENMAN-MONTEITH_ALFALFA")
#
# Step 3 - write the file
#
SortPenmanMonteith()
WritePenmanMonteithToStateCU(OutputFile="rg2007.kpm")
#
# Check the results
#
CheckPenmanMonteith(ID="*")
WriteCheckFile(OutputFile="Crops_KPM.StateDMI.check.html")
```