

Command Reference: SetPenmanMonteith()

Set Penman-Monteith crop coefficients data

StateCU Command

Version 3.10.00, 2010-04-02

The `SetPenmanMonteith()` command sets data in existing Penman-Monteith crop coefficients or adds a new crop type with crop coefficients. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit SetPenmanMonteith() Command

This command edits Penman-Monteith crop coefficient data for a specified crop type (name).
For ALFALFA, specify 33 values (for 0,10,...,90,100 % of stage, repeat for 3 growth stages).
For GRASS_PASTURE, specify 11 values (for 0,10,...,90,100 % of stage, for 1 growth stage).
For all other crops, specify 22 values (for 0,10,...,90,100 % of stage, repeat for 2 growth stages).
If the crop type does not contain a * wildcard pattern and does not match existing data,
a new curve will be added if the "If not found" option is set to Add.
Single values in a curve cannot be set - the entire curve must be set.

Crop Type: Required - crop type (use * for wildcard).

Coefficients:

.100, .101, .102, .103, .104, .105, .106, .107
.108, .109, .110, .200, .201, .202, .203, .204, .205, .206, .207, .208, .209, .210, .300, .301, .302, .303, .304, .305, .306, .307, .308, .309, .310

Required - separate by commas.

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

Command:

SetPenmanMonteith(CropType="ALFALFA",Coefficients=".100, .101, .102, .103, .104, .105, .106, .107, .108, .109, .110, .200, .201, .202, .203, .204, .205, .206, .207, .208, .209, .210, .300, .301, .302, .303, .304, .305, .306, .307, .308, .309, .310", IfNotFound=Add)

SetPenmanMonteith

SetPenmanMonteith() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
CropType	A crop type to match or a pattern using wildcards (e.g., ALFALFA*).	None – must be specified.
Coefficients	A list of coefficients, surrounded by double quotes.	If not specified, the original value will remain.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none">• Add – add the crop if not found using the provided information• Fail – generate a failure message if the crop is not found• Ignore – ignore (don't add and don't generate a message) if the crop is not found• Warn – generate a warning message if the crop is not found	Warn