
Command Reference: FillCropPatternTSInterpolate()

Fill crop pattern time series values using interpolation

StateCU Command

Version 3.09.01, 2010-02-01

The `FillCropPatternTSInterpolate()` command fills crop pattern time series data for a CU Location, using interpolation. Data will not be extrapolated past the end-points and therefore another fill method (e.g., `FillCropPatternTSRepeat()`) may be required after the interpolation command. Filling is currently always in a forward direction. If the data set contains groundwater, it is typical to fill groundwater-only crop pattern time series prior to the first year of HydroBase data using `FillCropPatternTSUsingWellRights()` and use `FillCropPatternTSRepeat()` and/or `FillCropPatternTSInterpolate()` for all other time series and parts of the period.

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

Edit FillCropPatternTSInterpolate() Command

This command fills missing data in crop pattern time series, using the CU Location ID, crop type, and year to uniquely identify time series. Missing values are replaced by interpolating between known crop area values. The CU Location ID and crop type can contain a * wildcard pattern to match one or more time series. The fill period can optionally be specified. Only years in the output period can be filled.

CU location ID:	<input type="text" value="*"/>	Required - CU location(s) to fill (use * for wildcard)
Crop type:	<input type="text" value="*"/>	Required - specify the crops to fill (use * for wildcard, or separate by commas).
Include surface water supply?:	<input type="checkbox"/> True	Optional - include locations with surface water supply? (default=True).
Include groundwater only supply?:	<input type="checkbox"/> False	Optional - include locations with only groundwater supply? (default=True).
Fill start (year):	<input type="text"/>	Optional - start year as 4-digits (default=fill all).
Fill end (year):	<input type="text"/>	Optional - end year as 4-digits or (default=fill all).
Max Intervals:	<input type="text"/>	Optional - specify limit on intervals to fill (default=no limit).
If not found:	<input type="button" value="v"/>	Optional - indicate action if no match is found (default=Warn).

Command: `FillCropPatternTSInterpolate (ID="*", IncludeSurfaceWaterSupply=True, CropType="*")`

OK Cancel

FillCropPatternTSInterpolate

FillCropPatternTSInterpolate() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
ID	A single CU Location identifier to match or a pattern using wildcards (e.g., 20*).	None – must be specified.
CropType	A single crop type to match or a pattern using wildcards (e.g., *).	None – must be specified.
IncludeSurfaceWaterSupply	Indicate whether locations with surface water supply should be processed (those other than groundwater-only locations).	True
IncludeGroundwaterOnlySupply	Indicate whether locations with only groundwater supply (collections where PartType=Parcel) should be processed. Typically this is specified as true unless FillCropPatternTSUsingWellRights() has been applied for the fill period.	True
FillStart	The first year to fill. This should be a year with observations to allow interpolation.	If not specified, fill the full period.
FillEnd	The last year to fill. This should be a year with observations to allow interpolation.	If not specified, fill the full period.
MaxIntervals	The maximum number of intervals to fill in any gap.	If not specified, fill the entire gap.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none"> Fail – generate a failure message if the ID is not matched Ignore – ignore (don't add and don't generate a message) if the ID is not matched Warn – generate a warning message if the ID is not matched 	Warn