

Command Reference: FillCropPatternTSConstant()

Fill crop pattern time series values using a constant value

StateCU Command

Version 3.09.01, 2010-02-01

The `FillCropPatternTSConstant()` command fills crop pattern time series data for a CU Location, using a constant value. Only data for matching locations, years, and crop type are filled. A common use of this command is to ensure that there are no missing data values for years when an irrigated lands assessment has occurred. In this case it is assumed that if other data sources for the year of study have not identified crops (e.g., GIS and user-supplied values), then remaining missing values should be set to zero, indicating that no irrigation occurred. For example: if in one year a structure has irrigated acreage but in another year is has no acreage, the time series for the crop acreage will have a missing value in the second case. Using this command with a zero constant value will ensure that zero is used for the second year. Subsequent data filling by repeating values or interpolation will be impacted by the constant values.

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

Edit FillCropPatternTSConstant() 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 with a constant value.

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:	*	Required - CU location(s) to fill (use * for wildcard)
Crop type:	*	Required - specify the crops to fill (use * for wildcard, or separate by commas).
Constant:	0	Required - constant value to use for filling.
Include surface water supply?:	<input type="checkbox"/>	Optional - include locations with surface water supply? (default=True).
Include groundwater only supply?:	<input type="checkbox"/>	Optional - include locations with only groundwater supply? (default=True).
Fill start (year):		Optional - start year as 4-digits (default=fill all).
Fill end (year):		Optional - end year as 4-digits or (default=fill all).
If not found:	<input type="checkbox"/>	Optional - indicate action if no match is found (default=Warn).

Command:

```
FillCropPatternTSConstant ( ID="*", CropType="*", Constant=0)
```

OK

Cancel

FillCropPatternTSConstant

FillCropPatternTSConstant() Command Editor

The command syntax is as follows:

```
FillCropPatternTSConstant (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.
Constant	The constant value to be used to fill missing data.	None – must be specified.
IncludeSurface WaterSupply	Indicate whether locations with surface water supply should be processed (those other than groundwater-only locations).	True
IncludeGroundwater OnlySupply	Indicate whether locations with only groundwater supply (collections where PartType=Parcel) should be processed. Typically this is specified as True.	True
FillStart	The first year to fill.	If not specified, fill the full period.
FillEnd	The last year to fill.	If not specified, fill the full period.
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