



Weather & Agronomic Data Available on aWhere's Agricultural Intelligence Platform

Weather

Daily Historical Observed

Up to 30 months of daily data by default, more available.

- Min & Max Temperature
- Precipitation
- Solar Energy
- Min & Max Relative Humidity
- Average, Day's Max, and Morning's Max Wind Speed

Forecast

8 Days, available in 1, 2, 3, 4, 6, 8, 12, and 24-hour blocks.

- Min & Max Temperature
- Chance of Precipitation
- Precipitation
- Cloud Cover
- Solar Energy
- Average & Max Wind Speed
- Average Relative Humidity
- Dew Point
- Min & Max Relative Humidity [on multi-hour blocks]
- Summarized conditions codes & text

Weather Norms

Long-term norms for meteorological attributes averaged for any days of the year over any number of years. API returns the average and standard deviation for each attribute.

- Mean, Min, & Max Temperature
- Precipitation
- Solar Energy
- Min & Max Humidity
- Mean & Max Wind

Current Conditions

Useful for displaying a snapshot of current area weather, leverages the data from the nearest available station that supplies intraday data.

- Current Temperature
- Recent Precipitation
- Recent Solar Energy
- Current Relative Humidity
- Last reported wind speed

Agronomics

Values & Accumulations

Calculated values that can be used to show the agronomic status of a field or crop, as well as seasonal accumulations of key values since planting [or any other date].

- Daily Growing Degree Units [GDD / GDU]*
- Daily Potential Evapotranspiration [PET]
- Ratio of Day's Precipitation to PET [P/PET]
- Incremental and Total Accumulated GDD**
- Incremental and Total Accumulated Precipitation**
- Incremental and Total Accumulated PET**
- Incremental and Total Accumulated P/PET**

Notes: * Four GDD equations are available with customizable boundaries and base temps. **

Incremental accumulations are available on a daily basis, with each day's value adding to the accumulation from previous days [useful for charting]. Total accumulation is a single value representing the total from the entire range of days.

Agronomic Norms

Long-term norms for each of the agronomic attributes listed above, including the average total accumulations for the range of days and average incremental accumulations for each day in the range. The data can be averaged for any days of the year over any number of years [minimum three]. API returns the average and standard deviation for each attribute. The GDD equations are configurable for this API as they are for the one above.

Growth Stage Model Results

When using a growth stage model, the Results API will provide the estimated current stage, next stage, and a collection of previous stages already passed.

- Estimated Current Growth Stage
 - Name / Description
 - GDD Threshold
 - Total Accumulated GDD
 - Estimated Date Stage was Entered
- Next Growth Stage
 - Name / Description
 - GDD Threshold
 - GDD's Remaining to Threshold
- Previous Stages [each]
 - Name / Description
 - GDD Threshold
 - Estimated Date Stage was Entered

More APIs and types of data are available, please review the available documentation at the aWhere Developer Community at developer.awhere.com
