

Climate



Climate tools are based on weather stations and gridded weather data from different sources. They are designed to inform users on current climate conditions and the effects of annual cycles such as the El Niño Southern Oscillation on weather patterns in the Southeastern U.S.A.



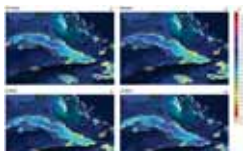
Rainfall and Temp. Monitoring

Observed rainfall and temperature



Climatology

Rainfall and temperature climatology (1950-2013)



Climatology – Caribbean **new**

Rainfall and temperature climatology (1979-2017) for Caribbean islands



Weather Stations

Climatology and current observations for selected weather stations in the Southeast USA

Freeze Risk Probabilities



Freeze probabilities based on El Niño Southern Oscillation (ENSO) phases



Heat Stress Monitoring **new**

Accumulated daily maximum temperature above the thresholds of 82°F, 86°F, 90°F, 93°F or 97°F.

Crop Disease



Crop disease tools are developed primarily to provide information about risk of infection and need to apply pesticides or not based on environmental conditions. They help growers avoid unnecessary applications and reduce cost of production.



Strawberry Advisory System **new**

Risk of Anthracnose and Botrytis fruit rot



Blueberry Advisory System

Risk of Anthracnose and Botrytis fruit rot

Citrus Copper Application Scheduler



Citrus Advisory System

Risk of Postbloom fruit drop

Crop Yield & Development



Crop yield tools are designed to help users investigate the effects of climate on crop yield and development. They are based both on historical yield records and crop model simulations.



County Yield Statistics

Crop yield series, trends and residuals at the county level



Planting Date Planner

Probability of low, medium, and high yields based on planting dates

Crop Season Planning



Degree Days & Chill Hours



Degree days and chill hours calculators are designed to track degree days and chill hours accumulation based on different base temperatures and models.



Cooling and Heating Degree Days Calculator

Monitoring and forecasting of cooling and heating degree days



Growing Degree Days Monitoring

Monitoring maps of growing degree days



Growing Degree Days Calculator

Monitoring and forecasting of growing degree days for selected crops

Chill Hours Calculator

Monitoring and forecasting of chill hours



Drought Indices



Drought Indices tools are generic tools designed to monitor and quantify water stress conditions affecting crops in the Southeastern U.S.A.



ARID (Spatial)

Agricultural Reference Index for Drought



ARID (Stations)

Agricultural Reference Index for Drought

Footprint Calculators



Footprint calculators are designed to help the agricultural industry evaluate the sustainability of crop production systems in the Southeastern U.S.A.



Carbon Footprint Calculator

Emission of greenhouse gases to produce, store, and transport strawberry.

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