



Southeast Climate Hub

U.S. Department of Agriculture

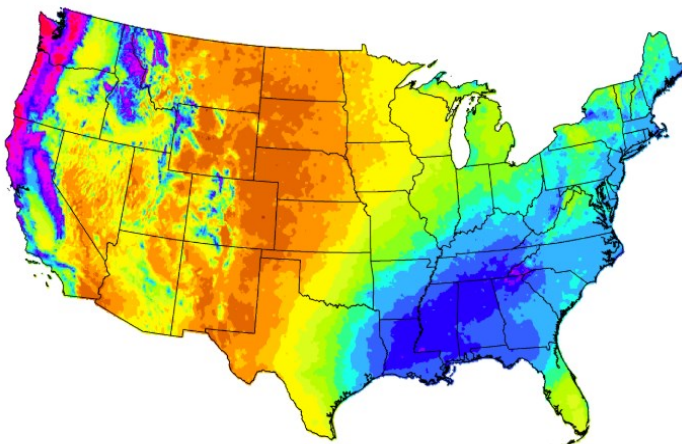


AgroClimate

What is AgroClimate?

AgroClimate is a free, innovative web-resource for decision-support and learning developed by the Southeast Climate Consortium and maintained and operated by the University of Florida. AgroClimate provides interactive tools and climate information to improve crop management decisions and reduce production risks associated with climate variability and change. AgroClimate is regularly used during training events for County Extension faculty and during workshops with agricultural producers.

Average Rainfall During a Typical La Niña year



Rainfall (inches)

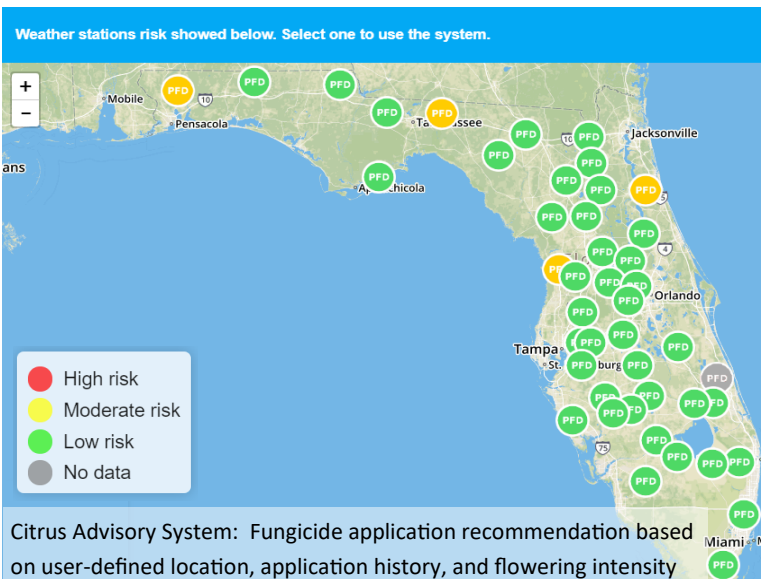


Crop Disease Tools

- Provide information about the risk of infection and need to apply pesticides based on environmental conditions
- Help growers avoid unnecessary applications and reduce the cost of production
- Includes advisory systems for strawberries, blueberries, and citrus crops, as well as a Citrus Copper Application Scheduler

Climate Tools

- Inform users on real-time climate conditions and the effects of annual cycles such as the El Niño Southern Oscillation on weather patterns in the southeast US
- Tools include rainfall, temperature and heat stress monitoring, climatology, and freeze risk probabilities



For more information about AgroClimate visit: bit.ly/ag-clim



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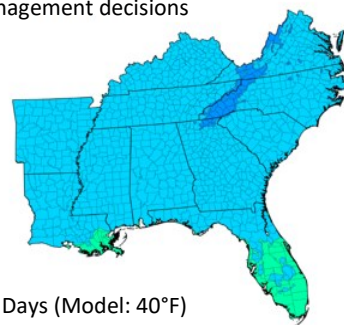
The Role of the USDA Southeast Climate Hub

The Hub has partnered with AgroClimate developers to expand their suite of tools to cover the entire southeast region and to develop new tools and resources that allow producers to make climate-informed decisions.

Degree Days & Chill Hours Calculators

- Track degree days and chill hours accumulations
- Based on user-defined base temperatures and models
- Includes calculators and monitoring for growing, heating and cooling degree days and chill hours

Growing degree days are used to predict plant development rates and inform management decisions

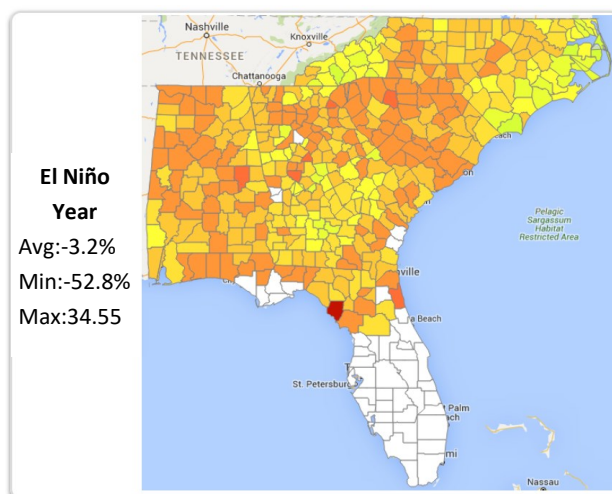
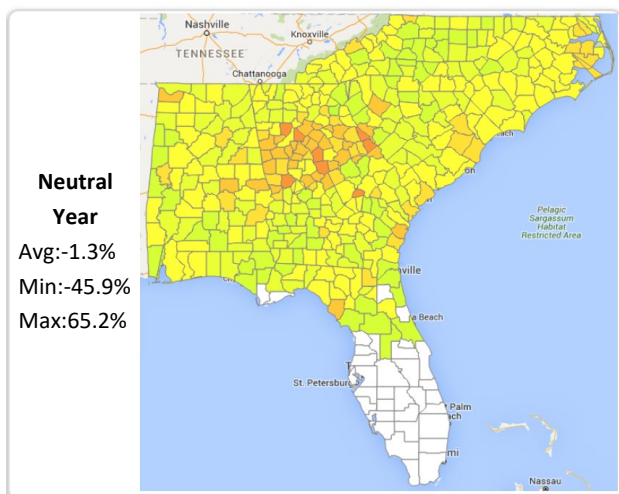


Growing Degree Days (Model: 40°F)

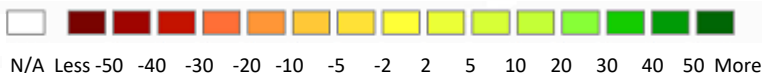


Crop Yield and Development Tools

- Designed to help Extension agents and producers investigate the effects of climate variability on crop yield and development
- Based on both historical yield records and crop model simulations
- Tools include county yield statistics, planting date planner, and carbon footprint calculator



Corn Residuals



Contact the USDA Southeast Regional Climate Hub for more information:
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bit.ly/ag-clim

