

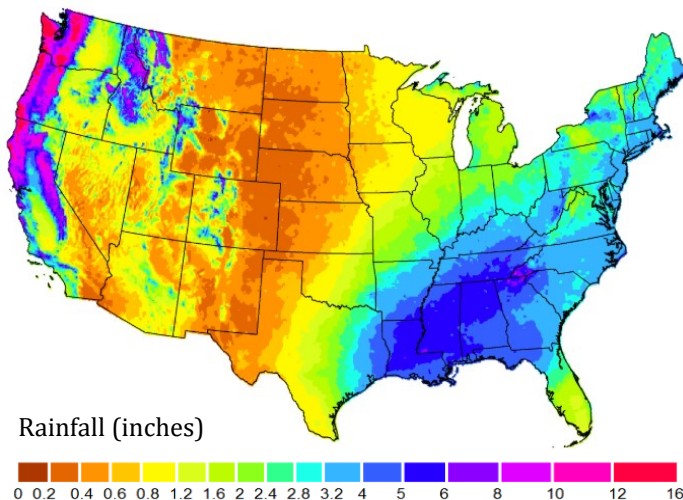


AgroClimate

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

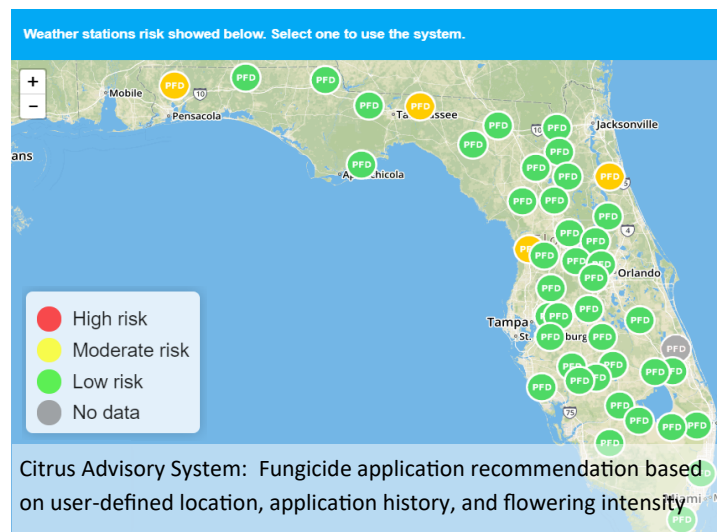


Climate Tools

- 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

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



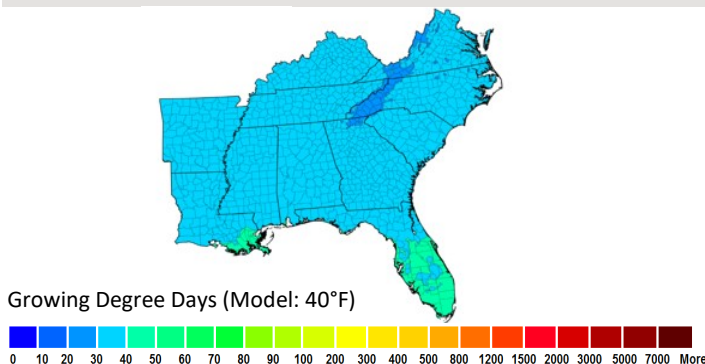
The Role of the USDA Southeast Regional Climate Hub

SERCH has partnered with AgroClimate developers to expand their suite of tools to cover the entire southeast region of the US, develop new tools and resources that allow producers to make climate-informed decisions, and integrate AgroClimate decision support tools into SERCH LIGHTS, an early-warning email alert service that informs subscribers when climate-related conditions in their area are expected to impact productivity.

Degree Days & Chill Hours Calculators

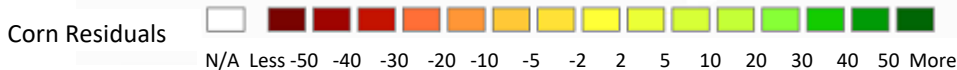
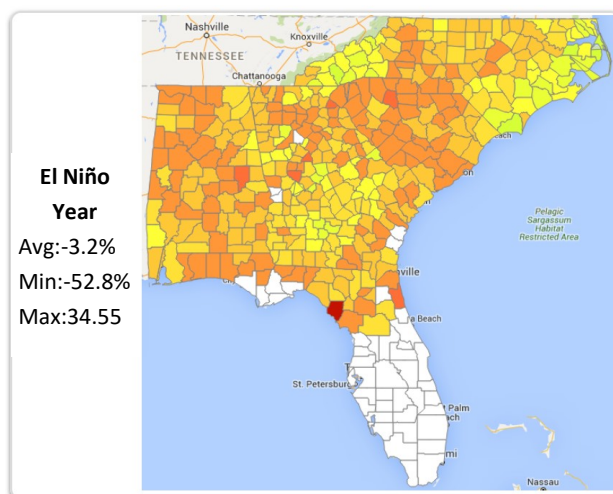
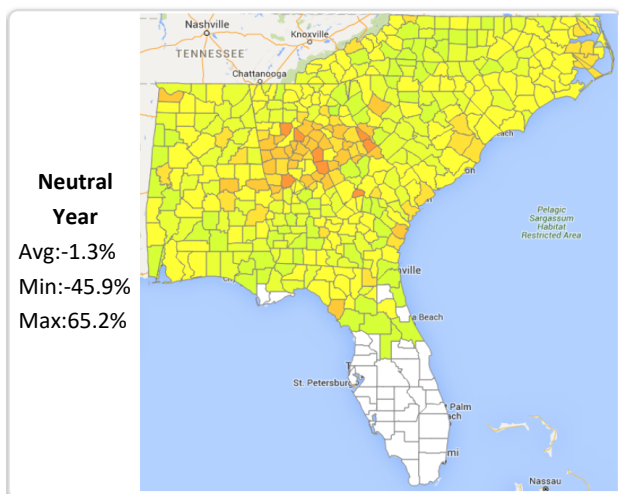
- Track degree days and chill hours accumulations
- Based on user-defined base temperatures and models
- Includes calculators and monitoring for growing, heating and cooling degree days and chill hours

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



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 crop season planner



Contact the USDA Southeast Regional Climate Hub for more information:

Steve McNulty, steve.mculty@usda.gov | Michael Gavazzi, michael.gavazzi@usda.gov

<https://www.climatehubs.oce.usda.gov/hubs/southeast>