



# A List of Climate Adaptation Tools and Resources

[Hurricane Preparation and Recovery Guides](#) were created to help producers maintain resilience to and recover from hurricanes and associated impacts such as high-speed winds and storm surge. Twenty-three commodity guides are available with state-specific extension and support resources for: AL, FL, GA, LA, MS, NC, SC, VA.



The [Saltwater Intrusion and Salinization Manual](#) helps identify the stages, causes, and likely progression of salinization on working lands. It also details possible mitigation options and adaptation strategies.

Learn about [Emerging Forest Threats](#) in your state posed by invasive species, diseases, wildfire, and other climate-related disturbances along with management practices to reduce risk. Fact sheets are currently available for FL, GA, KY, LA, MS, NC, SC, and VA and are under development for AL, AR, and TN.



The [Forest Owner Climate and Carbon Education](#) program prepares forest landowners to engage in forest carbon management and markets by providing resources detailing incentive opportunities such as government programs and planning tools.

[AgroClimate.org](#) helps manage climate risk in agriculture using resources such as the Growing Degree Days calculator, Chill Hours calculator, Freeze Risk probabilities, Planting Date Planners, and the Heat Stress Monitoring tool. In addition, the website has drought and precipitation forecasts and management information.



**For a full list of USDA Climate Hub tools, please visit:**  
<https://www.climatehubs.usda.gov/tools/all>.



# Southeast Climate Hub

U.S. Department of Agriculture



[SouthernForestHealth.net](https://SouthernForestHealth.net) is a forestry extension website detailing identification and treatment information for invasive plants, insects, and diseases. Each species has an individual page containing recent publications, recorded and upcoming webinars, and related resources.

Designed for land managers, the [Fire Weather Intelligence Portal](#) is a fire-danger monitoring tool that allows fire managers to assess and plan for real-time and forecasted burning and smoke dispersal conditions related to wildfire and prescribed fire.



The [Southeastern Drought Overview](#) webpage presents current drought conditions, monthly and seasonal drought outlooks, and the Southeast Drought Early Warning System. This resource also contains links to county-level drought planning and response resources.

The [Adaptation Workbook](#) is designed to support land managers and other practitioners in their work to help lands adapt to and recover from climate change disturbances. It presents a structured framework to consider potential climate change effects on forests, and helps develop responsive management strategies. This resource was created by the Northern Institute of Applied Climate Science to accommodate a wide range of geographic locations, ecosystems and land uses, management goals, and project sizes.



## Notable Resources Under Development:

- + [Drought Preparation and Recovery Guides](#): These guides will help producers maintain resilience amidst increasing drought prevalence in the Southeast. Coming in summer 2024.
- + [Updated Silvics of North America](#): This guide will provide foresters and other natural resource managers with updated information on fundamental silvics, species ranges, growth and genetics, and climate change impacts on the most important tree species in North America. Coming in summer 2024.
- + [Southern Pine Beetle Outbreak Model](#): This tool has a 70%+ accuracy rate in forecasting pine beetle infestation risk using previous years' infestation data, seasonal weather data, stocking density, and hydrological modeling. Coming in winter 2024.