

Poster Directory

Poster presentations are listed by topic and in alphabetical order by the presenting author's last name.

Impacts of Climate Variability and Climate Change on Agriculture and Natural Resources

Optimal Crop Planting Schedule and Hedging Strategy – *Farid AitSahlia*, University of Florida, Gainesville, FL, USA

The Economic Consequences of a Popular Drought-Mitigation Policy – *Aaron Benson*, Texas Tech University, Lubbock, TX, USA

Modeling Freeze Risk and Economic Potential of Satsuma mandarin Grown on the Northern Coastal Fringe of the Gulf of Mexico – *Robert Ebel*, Southwest Florida Research and Education Center, Immokalee, FL, USA

Modeling U.S. Cotton Yields and Climate Stresses during 1979-2005: Preliminary Result – *Wei Gao*, USDA UV-B Monitoring and Research Program, Fort Collins, CO, USA

Spatial and Temporal Dependence of Cotton Water Use and Yield as Related to Climate Variability – *Axel Garcia y Garcia*, The University of Georgia, Griffin, GA, USA

Comparison of ENSO Indicators and Applications to Precipitation Patterns in the Southeastern US – *Pierre Gérard-Marchant*, UGA, Athens, GA, USA

Impact of Climate Change on Water Availability for a Bioenergy Project in the Lajas Valley, Puerto Rico – *Noemi Guindin-Garcia*, University of Nebraska-Lincoln, Lincoln, NE, USA

Georgia's Rainfall Variability and the Role of Teleconnections – *Gerrit Hoogenboom*, University of Georgia, Griffin, GA, USA

Categorical ENSO Effects on Simulated Phosphorus Loading in South Florida – *Victoria Keener*, University of Florida, Gainesville, FL, USA

Trends in ENSO Based Precipitation and Nutrient Load Oscillations in the Little River Watershed – *Victoria Keener*, University of Florida, Gainesville, FL, USA

Climatic Change: Local Vision of a Global Phenomenon, the Case of Bamena Village, West-Cameroon – *Aristide Komze*, University of Yaounde 1, Yaounde, Cameroon

Generalized Assessment of the Impact of Climate Change on Washington Agriculture – *Chad Kruger*, WSU, Wenatchee, WA, USA

Assessment of Coastal Habitat and Listed Species along Archie Carr National Wildlife Refuge – *Margaret Lamont*, FL Coop Unit, Gainesville, FL, USA

Extreme Rainfall in Florida; Local Climatologies Revisited – *Preston Leftwich*, Florida State University, Tallahassee, FL, USA

- Atlantic and Pacific Sea Surface Temperatures and Corn Yields in the Southeastern USA –**
Christopher Martinez, University of Florida, Gainesville, FL, USA
- Decadal Climate Variability and Global Food Security: A Case Study of Impacts of Decadal Climate Variability on Crop Yields in the Missouri River Basin –** *Vikram Mehta*, Center for Research on the Changing Earth System, Columbia, MD, USA
- Determinants of Agricultural Disaster Payments in the Southeastern U.S.: Is There A Role for Climate Forecasts? –** *Denis Nadolnyak*, Auburn University, Auburn, AL, USA
- Yield Variability and Irrigation: Analysis of Irrigated Corn Production Adoption Decisions in Alabama –** *Denis Nadolnyak*, Auburn University, Auburn, AL, USA
- Impact of El Niño Southern Oscillation (ENSO) on Tomato Spotted Wilt Virus Risk Levels for Peanut –** *Rabiu Olatinwo*, University of Georgia, Griffin, GA, USA
- The Impact of Local Soil and Weather Conditions and Transportation Distance on the Net Energy Value of Corn Ethanol in the Southeastern USA –** *Tomas Persson*, The University of Georgia, Griffin, GA, USA
- Farmers' Risk Management Practices and Climate Information Habits in the Southeast US –** *Carla Roncoli*, University of Georgia, Atlanta, GA, USA
- Uncertainties in the Argentinean Wheat Production Due to Climatic Change Scenarios –** *Susana Russo*, Soil Institute, CRN, Buenos Aires, Argentina
- Investigation of Climate Control Techniques in Lowland Greenhouses of Malaysia –** *Ramin Shamshiri*, University of Florida, Gainesville, FL, USA
- Probabilistic Crop Yield Simulations over the Southeast US using Global and Regional Climate Model Products –** *Dong Wook Shin*, COAPS/FSU, Tallahassee, FL, USA
- Climate Variability and Agricultural Productivity: Evidence from Southeastern US –** *Daniel Solis*, University of Miami, Miami, FL, USA
- Temporal Behavior of Water Resources in the Suwannee Basin Relative to ENSO –** *Nitesh Tripathi*, University of Florida, Gainesville, FL, USA
- Weather Event Probabilities used to Forecast Damages in an Agricultural Investment Model –** *Richard Weldon*, University of Florida, Gainesville, FL, USA
- Incorporating Climate Forecasts into a Peanut Risk Management Decision Aid –** *Gail Wilkerson*, North Carolina State University, Raleigh, NC, USA
- Crop Water Stress as Estimated by Water Deficit Index and Some Popular Drought Indices –** *Prem Woli*, University of Florida, Gainesville, FL, USA
- The Potential for Growing Coffee in the Extreme South of Brazil in a Warmer World –** *Jurandir Zullo*, Unicamp, Campinas, Brazil

Stakeholder Needs for Climate Information Related to Agriculture and Natural Resources

KBDI Forecasts for Fire Management Decisions in Georgia and Florida – *Norman E. Breuer*,
University of Miami - SECC, Gainesville, FL, USA

Identifying Climate Information Needs of Water Managers in the Southeastern USA – *Pamela Knox*,
University of Georgia, Athens, GA, USA

The Impact of ENSO on Rainfall Insurance Purchase Decisions – *James Novak*, Auburn University,
Auburn University, AL, USA

Use of Climate Indices in Cotton Yield Risk Assessment for the Southeastern USA – *Tapan Pathak*,
University of Florida, Gainesville, FL, USA

Media Representations of ENSO in the Southeast US – *Carla Roncoli*, University of Georgia, Atlanta,
GA, USA

Extension and Application of Climate Information for Agriculture and Natural Resources

The Urban Forest of Tampa: the Role It Plays in Mitigating Greenhouse Gas Emissions – *Michael Andreu*,
University of Florida, Plant City, FL, USA

Weather Watch Program – *Ryan Atwood*, UF IFAS Lake Co. Extension, Tavares,
FL, USA

Influence of Land Development Patterns on Rainfall and Temperature in the Southeastern USA –
Guillermo Baigorria, University of Florida, Gainesville, FL, USA

**Impact of Precipitation Assimilation on Soil Moisture in the Coupled Land-Atmosphere
FSU/COAPS Model** – *Marie Boisserie*, COAPS, Tallahassee, FL, USA

AgClimate.org from Tools to Outlooks: Servicing Stakeholders in the U.S.A. – *Clyde Fraise*,
University of Florida, Gainesville, FL, USA

Monitoring Soil Moisture to Manage Climate Impacts in North Carolina – *Josh Heitman*, North
Carolina State University, Raleigh, NC, USA

Climate Information Analysis Toolkit – *Gerrit Hoogenboom*, University of Georgia, Griffin, GA, USA

Weather Monitoring for Agriculture and Natural Resources – *Gerrit Hoogenboom*, University of
Georgia, Griffin, GA, USA

**NOAA National Climatic Data Center's Climate Services for Use in the Agriculture and Natural
Resource Sectors** – *Tamara Houston*, NOAA's National Climatic Data Center, Asheville, NC,
USA

**Investigating the Benefit of Improved Rainfall Forecasts on Regional Groundwater Level
Predictions** – *Syewoon Hwang*, University of Florida, Gainesville, FL, USA

Contribution of Agricultural Activities towards Climate Change in Mississippi State – *Edmund Merem*,
Jackson State University, Jackson, MS, USA

Climate Extension Program: Challenges and Opportunities – *Joel Paz*, University of Georgia, Griffin, GA, USA

Mitigating the Effects of Severe Drought on Forage-Based Livestock Enterprises via Rapid-Response Extension Programming – *Joel Paz*, University of Georgia, Griffin, GA, USA

Using Climate Information to Determine Irrigation Requirements for Citrus in Florida – *Consuelo C. Romero*, University of Florida, Gainesville, FL, USA

Beyond "Normal" LGP: Mapping Cultivar Adaptation in Variable West African Climates – *Pierre C. Sibiry Traoré*, ICRISAT, Bamako, Mali

State of Knowledge on Climate Variability and Climate Change at Seasonal, Decadal, and Multi-Decadal Time Scales

Geospatio-temporal Daily Rainfall Data Generation – *Guillermo Baigorria*, University of Florida, Gainesville, FL, USA

Daily Weather Realization Conditioned on ENSO Phase Using k-NN Approach – *Mo. Bannayan*, UGA, Griffin, GA, USA

Hydrologic Cycle Alterations to Different Climate Change Scenarios in a Tallgrass Prairie: A Modeling Analysis – *Jesse Bell*, The University of Oklahoma, Norman, OK, USA

Seasonal Differences in Rainstorms Between Sites in Austria and Southeast USA – *Andreas Klik*, BOKU University, Vienna, Austria

Regional Climate Simulation of Seasonal Surface Temperature and Precipitation by Downscaling Approach over the Southeast USA – *Young-Kwon Lim*, Florida State University, Tallahassee, FL, USA

NARCCAP: Future Scenarios of Regional Climates for Assessing Impacts of Climate Change – *Eugene Takle*, Iowa State University, Ames, IA, USA

Integrated Approaches that Combine Research, Extension, and Education in the Application of Climate Information

Environmental Education Park for Water Conservation – *Lucia Barrera-Arenas*, Area Metropolitana del Valle de Aburra, Medellin, Colombia

Using Crop Models with Historical Weather to Manage Strategic Risks in Crop Management – *Kenneth Boote*, University of Florida, Gainesville, FL, USA

Communicating Climate Information for Integrated Decision Support at the County and Regional Level – *James Greg Dobson*, University of North Carolina, Asheville NC, USA

Use of Generalized Likelihood Uncertainty Estimation Technique to Estimate Genetic Parameters in CROPGRO Cotton model – *Tapan Pathak*, University of Florida, Gainesville, FL, USA

Development of a Disease Forecasting System for Strawberries as a Tool on AgClimate – *Natalia Peres*, University of Florida, Wimauma, FL, USA

Implementation of Florida-Friendly Landscaping Principles Across an Urban Landscape as a Catalyst for Reduction in Factors Contributing to Climate Change – *John Pipoly III*, UF-IFAS/Broward County Extension Education Section, Davie, FL, USA

Improvements to the DSSAT Cropping Systems Model for Climate Change Research – *Cheryl Porter*, University of Florida, Gainesville, FL, USA

**Short- and Long-Term Needs and Opportunities for Education
to Ensure the Effective Use of Climate Information by Decision Makers**

Regional and Local Carbon Flux Information from a Continuous Atmospheric CO₂ Network in the Rocky Mountains and Southwest – *Marnie Carroll*, Dine College, Shiprock, NM, USA

A System of Drought Insurance for Poverty Alleviation in Rural Areas – *Simon Cook*, Centro Internacional de Agricultura Tropical CIAT, Cali, Colombia

Application of CROPGRO-PEANUT Model to Evaluate Groundnut Growth and Yield in Some Farming Zones of Ghana – *Emmanuel Dugan*, CSIR-Soil Research Institute, Kumasi, Ghana

Soil Carbon Sequestration in Silvopastoral Systems: Relative Contribution of Trees and Warm-Season Grasses – *Solomon Haile*, University of Florida, Gainesville, FL, USA

Florida's Resilient Coasts: Policy Framework for Adaptation to Climate Change – *Barry Heimlich*, Florida Atlantic University, Fort Lauderdale, FL, USA

A Discussion of Steps Being Taken to Develop Climate Decision Support Tools in the Canadian Agricultural Sector by Agriculture Canada – *Harvey Hill*, Agriculture and Agri-Food Canada, Saskatoon, SK, Canada