



REGISTRATION

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Please make check / money order payable to:

Caddo County Extension Office
 1202 East Central Blvd. Anadarko, OK 73005 • (405) 247-7638



March 8, 2018
 Weatherford, OK

\$15 REGISTRATION PER PERSON

Please respond by
February 24th, 2018.

Online registration available at:

oces.okstate.edu/caddo/oklahoma-irrigation-conference

Registration fee covers lunch and refreshments during morning and afternoon breaks.

Pioneer Cellular Event Center: 900 N 7th St, Weatherford, OK 73096 (580) 774-3700

Oklahoma Irrigation Conference Committee
 David Nowlin Saleh Taghvaeian Randy Boman Gary Strickland

Approved CEUs being offered:

Certified Crop Advisor: 5.0 CEUs (Soil & Water Management)

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OKLAHOMA IRRIGATION CONFERENCE

March 8, 2018

WEATHERFORD, OK
 PIONEER CELLULAR EVENT CENTER

AGENDA

8:30 am

Registration - coffee and donuts

Morning Moderator - David Nowlin

9:00 am

Welcome

David Nowlin

9:15 am

Irrigation Management of Corn & Sorghum

Jason Warren

9:45 am

Water Use in Wheat-Canola Rotation under
Different Grazing & Tillage Practices

Prasanna Gowda

10:15 am

Watermelon Irrigation Management:
Balancing Yield and Quality

Daniel Leskovar

10:45 am

Break

11:00 am

Crop Water Use and the Oklahoma Mesonet

Al Sutherland

11:30 am

Fertigation: Scheduling and Water Quality
Considerations

Troy Ingram

12:00 pm

Lunch and Industry Updates

Afternoon Moderator - Gary Strickland

1:00 pm

Energy and Water Efficiency of Center-Pivot Systems

Scott Frazier

1:30 pm

Soil and Water Quality Considerations for Irrigation

Hailin Zhang

2:00 pm

Irrigation Management for Peanut

Dana Porter

2:30 pm

Break

2:45 pm

Understanding Cotton Irrigation Requirement

Randy Boman

3:15 pm

Using Soil Moisture Sensors to Improve Irrigation

Saleh Taghvaeian

3:45 pm

Evaluation and Adjourn

OKLAHOMA IRRIGATION CONFERENCE



FEATURING

Randy Boman

Research Director and Cotton Extension Program Leader,
OSU Southwest Research and Extension Center, OSU

Randy's major responsibilities are to work with the Cotton Team to develop and conduct Extension and applied research programs to inform Oklahoma producers as to best management practices for cotton production. They conduct cotton variety performance and applied research trials as necessary; develop educational materials relating to the information; and disseminate it to growers and Extension personnel by all appropriate means. An important function is serving as an information and materials source for area agronomists and Extension personnel in the state.



Scott Frazier

Associate Professor, Energy Management Extension
Engineer, Oklahoma State University

Scott joined the Biosystems and Agricultural Engineering department in June 2008 on a research and Extension appointment. His background is Industrial Engineering specializing in resource and energy management. He worked for the electric utility industry on the East Coast conducting energy studies for the commercial and industrial sectors. His research efforts include energy management of agricultural systems such as irrigation and animal housing, life cycle assessment (LCA) of biofuels and bio-product production, and various energy related education topics.



Prasanna Gowda

Associate Professor, Energy Management Extension
Engineer, Oklahoma State University

Prasanna is a Research Leader at the USDA-ARS Grazinglands Research Laboratory at El Reno, OK. He conducts research on forage and rangeland management, remote sensing, and water resources management in the Southern Great Plains. Dr. Gowda obtained his PhD in Agricultural Engineering from Ohio State University in 1996. He has received numerous honors and awards and has authored/co-authored more than 100 publications.



Daniel Leskovar

Professor, Center Director
Department of Horticultural Sciences,
Texas A&M University, Texas A&M AgriLife Research
and Extension Center - Uvalde

Dr. Leskovar's vegetable physiology program focuses on understanding plant morphological and physiological adaptation mechanisms to environmental stresses, and development of integrated sustainable vegetable cropping systems. His research emphasis is on: 1) seed-transplant production and physiology to increase plant survival and enhance stand establishment; 2) plant hormones to modulate seedling growth; 3) root/shoot developmental responses to water conservation strategies and irrigation technologies; 4) impact of cropping systems on antioxidants and sensory attributes of vegetable crops; and 5) genotype selection for drought resistance, high yield, quality, and phytochemical content.



Dana Porter

Associate Professor, Extension Program Leader
and Associate Department Head,
Department of Biological and Agricultural Engineering,
Texas A&M University, Texas A&M AgriLife Research and
Extension Center - Lubbock



Dana's applied research and extension program emphasizes irrigation technologies and best management practices for efficient irrigation management in water-limited agricultural production systems. In addressing practical concerns of irrigation efficiency and irrigation water quality issues, she draws extensively from her experiences on her family's farm in the Texas Panhandle and her interdisciplinary collaborations in crop modeling, agricultural waste management and agricultural irrigation.

Al Sutherland

OSU Mesonet Agricultural Coordinator,
National Weather Service

Al conducts agricultural and horticultural product development and extension outreach for the Oklahoma Mesonet. He has a Bachelor's degree in horticulture from Oregon State University, a Masters in horticulture from Ohio State University, and has worked for the No. 1 OSU, Oklahoma State University, since 1989. Al is a Certified Crop Advisor and Certified Professional Horticulturist. He is officed on the OU campus at the National Weather Center.



Saleh Taghvaeian

Assistant Professor, Water Management Extension
Specialist, Oklahoma State University

Saleh is an assistant professor and extension specialist in water resources at the Department of Biosystems & Agricultural Engineering. Prior to joining OSU in Oct 2013 he was a postdoctoral fellow at Colorado State University, conducting research on deficit irrigation management. He received his PhD in Irrigation Engineering in 2011 from Utah State University. Saleh's research and extension interests include irrigation and drainage efficiency, using sensor technologies, and improving irrigation management.



Jason Warren

Associate Professor, Soil & Water Management
Extension Specialist, Oklahoma State University

Jason grew up on a small grain and cattle farm in Woods Co. OK. He earned a B.S. & M.S. in Plant and Soil Sciences at Oklahoma State University. Jason continued his education at Virginia Tech, where he obtained a Ph.D. in Crop and Soil Environmental Sciences in 2005. Dr. Warren's research and extension efforts focus on management practices to reduce soil erosion and improve soil quality in both the agricultural and urban landscapes. He is also engaged in activities aimed at increasing water use efficiency and reducing the transport of contaminants to surface and subsurface waters.



Hailin Zhang

Regents Professor, Soil Fertility/Chemistry
Director of Soil, Water and Forage Analytical Lab, OSU

Hailin earned his B.S. degree from Nanjing Agricultural University, China, M.S. degree from Iowa State University, and Ph.D. degree from the University of Minnesota. He worked for the Navajo Agricultural Products Industry in Farmington, New Mexico for 6 years before joining OSU in 1996. Hailin's Extension and research programs focus mainly on plant nutrient management and environmental quality protection. He has been actively promoting soil testing as a best management practice for fertilizer and animal waste utilization, and developing decision support tools for farmers and crop consultants.

