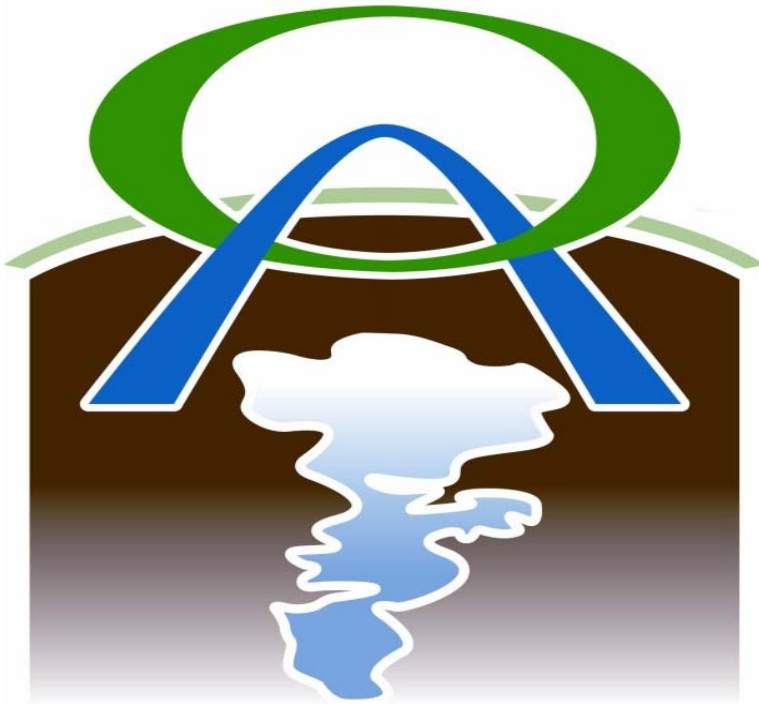


**2016 Workshop
Ogallala Aquifer Program
March 9 – 10, 2016
Amarillo, Texas**



**Ogallala Aquifer
Program**

Research Consortium for the
Southern Ogallala Aquifer Area

Participants:

Kansas State University
Texas A&M AgriLife
Texas Tech University
West Texas A&M University
USDA-ARS, Bushland
USDA-ARS, Lubbock

Ogallala Aquifer Program

Recipient of:
The 65th Annual Secretary's Honor Awards
for Sustaining Rural Prosperity Across the
Drought Prone Southern High Plains
(USDA 2013)

Institutional Contacts for Ogallala Aquifer Program

David Brauer, ARS-Bushland, Texas
Robert Lascano, ARS-Lubbock, Texas
Dan Devlin, Kansas State University
Kevin Wagner, Texas A&M University
Mike Galyean, Texas Tech University
Dean Hawkins, West Texas A&M University

2016 OAP Conference Agenda

Wednesday, March 9, 2016

Morning Session:

- 9:00-9:15a.m. **Introductions and Workshop Orientation**
Dave Brauer, Manager, OAP, ARS
- 9:15-9:30a.m. **Improving Irrigation Management in the Oklahoma Panhandle**
Saleh Taghvaeian, OSU
- 9:30-9:45a.m. **OPREC: Current and Future Research**
Tracy Beedy, OSU
- 10:00-10:20a.m. **Advances in Soil Water Sensing for Irrigation Management**
Steve Evett, ARS
- 10:20-10:35a.m. **Current and Historical Water Quality Comparisons Between Ogallala and Dockum Aquifers: What Can Water Quality Tell Us About How the Use of Dockum Water Will Extend the Economic Vitality of the Ogallala Region?**
Nathan Howell, WTAMU
- 10:35-10:50a.m. **Development of a GIS Model to Map Future Water Availability**
Kevin Mulligan, TTU
- 10:50-11:15a.m. **Evaluation of Brackish Groundwater Resources in the Dockum Aquifer- An Alternative to Ogallala in the Southern High Plains of Texas**
Venki Uddameri, TTU
- 11:15-11:30a.m. **Update Regarding the Ogallala Aquifer Cap Grant (USDA-NIFA)**
Dan Devlin, KSU
- 11:30-12:00p.m. **Update from HPWD**
Lynn Tate, President,
High Plains Water District #1
- 12:00-1:00p.m. **Lunch, Informal Discussion**

Afternoon Session:

- 1:00-1:20p.m. **Life of an Aggie AG Engineer – 40+ Years of Influential Accomplishments**
Thomas Marek, Texas A&M AgriLife Research
- 1:20-1:35p.m. **An Assessment of the Potential for Cap and Trade Markets for Groundwater in the Southern Ogallala Aquifer Region**
Ryan Williams, TTU
- 1:35-1:50p.m. **Circles of Perennial Grass Buffer Strips to Improve Sustainability of Irrigated Agriculture in the Southern Great Plains**
Sangu Angadi, NMSU
- 1:50-2:05p.m. **Root Growth and Selection for Water Limited Peanut Production**
James Mahan, ARS
- 2:05-2:20p.m. **Rooting Characters and Water Depletion in Corn Hybrids Under Drought**
Qingwu Xue, Texas A&M AgriLife Research
- 2:20-2:35p.m. **Breeding of Peanut for Water-Limited Conditions**
Mark Burow, TAMU
- 2:35-3:00p.m. **Identifying Cotton (*Gossypium* spp.) Traits that Maximize Yield Under Limited Irrigation**
Mauricio Ulloa, ARS
- 3:00-4:30p.m. **Break, Informal Discussions, and Poster Session**
- 4:30-5:00p.m. **Wrap-up for Day One**
Dave Brauer, Manager, OAP, ARS
- 6:00-7:00p.m. **Supper, Informal Meetings**
- 7:00-9:00p.m. **OAP Leadership Team Meeting**

2016 OAP Conference Agenda

Thursday, March 10, 2016

Morning Session:

- 7:00-8:00a.m. **Breakfast, Informal Meetings**
- 8:00-8:15a.m. **Workshop Orientation**
Dave Brauer, Manager, OAP, ARS
- 8:15-10:00a.m. **Discussion Session 1**
- 10:00-10:15a.m. **Break and Informal Discussions**
- 10:15-11:20p.m. **Discussion Session 2**
- 11:20-12:00p.m. **Report Outs**
- 12:00-12:45p.m. **Lunch, Informal Meetings**
- 12:45-1:00p.m. **Wrap Up for 2016 OAP Conference**
Dave Brauer, Manager, OAP, ARS

OAP Special Session: Eddy Covariance and Micrometeorological Measurements to Solve Agricultural Problems

- 1:00-1:10p.m. **Introductions**
Dave Brauer, Manager, OAP, ARS
- 1:10-1:30p.m. **Energy Imbalance and Quality of Eddy Covariance ET Measurement**
Liukang Xu, LiCor
- 1:30-1:50p.m. **Lysimetric Evaluation of Eddy Covariance and Scintillometer Systems for the Texas High Plains**
Jed Moorhead, ARS
- 1:50-2:10p.m. **Mobile Point Sources: A Challenge for EC Measurements**
Rick Todd, ARS
- 2:10-2:30p.m. **Eddy Covariance ET Accuracy: Lessons Learned from Two-year Observations in Bushland Experiments**
Xiaomao Lin, KSU
- 2:30-2:50p.m. **Eddy Covariance and Air Quality**
Eduardo Santos, KSU
- 2:50-3:00p.m. **Break and Informal Discussions**
- 3:00-4:00p.m. **Mediated Discussion**
- 4:00-4:15p.m. **Session Wrap-up**
Dave Brauer, Manager, OAP, ARS