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USDA-ARS

Texas A&M AgriLife Research | Extension

Field Day

**Grassland, Soil and Water
Research Laboratory**

**Blackland Research &
Extension Center**

Temple, TX

June 1, 2017





Miscanthus × giganteus and Alamo switchgrass in Central Texas



Grassland Research



Safflower



Sunn Hemp



Cotton



Sorghum

USDA-ARS-GSWRL and Texas A&M AgriLife Scientists and Staff would like to invite you to visit the GSWRL Research Field Site and join us for tours of the fields. This is a great time to learn about the current research being conducted.

Bring your family and friends with you to enjoy this day. We look forward to seeing you!

8:00 am Welcome *(at the parking garage)*

Tour Presentations: *(times approximate)*

8:35-8:50 Soil health *Buddy Faulkenberry and Rick Haney*

8:55-9:10 The water cycle, making every drop count *Matt Machacek*

Grassland Research

9:15-9:30 Bioenergy Crops: Canola and Switchgrass *Jim Kiniry*

9:35-9:50 Diversity and competition in grasslands *Brian Wilsey and Wayne Polley*

9:55-10:10 Remote sensing for field-scale assessment of crop health *Wayne Polley*

10:15-10:20 What happens when you fertilize native prairie *Phil Fay*

10:20-10:35 Grassland restoration in the Blackland Prairie *Bill Fox*

Cropping Systems Research

10:40-10:55 Cropping Systems Modeling: Determination of key crop parameters through field measurements *Norman Meki and Jim Kiniry*

11:00-11:15 Safflower Production Trials *Hal Collins and Doug Smith*

11:15-11:30 Sunn Hemp/Cowpea Cover Trials *Hal Collins and Doug Smith*

11:30-11:45 Cotton row spacing and potassium fertility trials *Chad Hajda and Hal Collins*

11:50-12:10 Switchgrass response to changing precipitation *Rob Heckman and Phil Fay*
(back at headquarters rain out shelter)

12:30 Lunch *(at the parking garage)*

Displays & Posters of Other Research *(at the parking garage)*

- Soil health laboratory tour *Buddy Faulkenberry and Chris Holle*
- Natural Resources Conservation Service Information booth
- Grazing nutrition and monitoring of livestock. *Jay Angerer, Jesse Goplin and Tony Owen*
- Effects of burrowing prairie crayfish on soil nutrients, carbon, nitrogen, microbial populations, and soil seed bank. *Tara Nawrocki and Hal Collins*
- Precision Agriculture & Precision Conservation. *Chad Hajda and Doug Smith*