

# ARS Forage and Range Research Lab

## Field Day

May 28-29, 2013

Logan, Utah

Participants (38) on the FRRL field day 2013 were greeted at the USU Evans Farm by Dr. Teryl Roper of the Plant, Soils and Climate Department and thereafter went on a walking tour of FRRL grass, legume, and forb research plots, which featured improved plant materials for pasture, turf, and rangelands that were the result of intensive classical plant breeding. They then were introduced to FRRL seed production fields, native and non-native plant breeding selection experiments (grasses), and an experiment (mixture of grasses and forage kochia) that is being used to determine the resiliency of grasses and forage kochia to wildfire burning (under simulation using crested wheatgrass as a fuel source). The participants then traveled to the west desert to observe the results of the use of forage kochia for the rehabilitation of degraded rangeland pastures on the farms of Mr. Arthur Douglas and Mr. Bob Adams.(see accompanying photographs).



Field day participants on a knoll of Mr. Arthur Douglas' rangeland property discussing the reclamation of degraded highland high desert pastures using forage kochia. Dr. Joe Robins (far left) looks on to see a patch of forage kochia young light green/gray plants around the a larger green plant) on a ridge, while USDA-ARS Northern Plains Associate Area Director, Mickey McGuire (center, blue/white hat) listens to Dr. Blair Waldron explain the benefits of forage kochia rangeland restoration.



Field day participants in a pasture owned by Mr. Bob Adams (white cowboy hat, far right) as Dr. Blair Waldron answers questions after a general discussion on the technical aspects of revegetation of degraded rangelands using forage kochia (medium-sized green plants surrounding Dr. Waldron).



Dr. Steve Larson discusses the value of Great Basin wildrye hybrids with Mr. Clark Willis as Dr. Richard Wang looks on at USU Evans Farm.



Dr. Blair Waldron provides information on his soft-leaf (lax-leaf) tall fescue breeding program at USU Evans Farm.



Dr. Mike Peel discussing mixed species (grass and native and non-native legumes) experiments at USU Evans Farm.



Dr. Jack Staub explains a grass and forage kochia mixture experiment, where the plots will be burned to simulate wildfire and then regrowth data will be taken to determine the best mixtures for development of rangeland green strips (fire strips).



ARS Forage and Range Research  
Laboratory Field Day  
28-29 May 2013  
Logan, UT  
Preliminary Schedule

28 May

6:00 PM – Optional Turf or Pasture Tours

Turf Field Tour: USU Greenville Farm  
(1857 N 800 E North Logan, UT)

Pasture Field Tour: USU Irrigated Pasture Project  
(1317 S 800 W Lewiston, UT)

7:30 PM – Dinner

29 May – Range Tour

8:00 AM – 9:00 AM: Meet and register at USU Evans Farm  
(2030 S Hwy 165 Millville, UT)

9:00 AM – Welcome, Introduction, and Walking Tour of Evans  
Farm

10:30 AM – FRRL Foundation Seed Program  
(725 S 250 E Hyde Park, UT)

12:00 PM – Lunch

1:30 PM – Revegetation of Disturbed Sites with Improved Plant  
Materials

2:30 PM – Importance of Forage Kochia for Revegetation and  
Feed