

2015 Western Society of Crop Science Annual Meeting

June 16-17, Logan, UT

All events will be held at the USU Equine Education Center (3580 South Hwy 89/91, Wellsville, UT) unless otherwise noted. Directions from Logan: Head South on US-89/91 Main Street going toward Salt Lake City. Drive approximately 9 miles. The Equine Center is on the left side of the road with a sign that says Experiment Station South Farm. As you enter the farm, the Equine Center is a cluster of new, red buildings to the southeast. The classroom building, where the WSCS meeting will be held, is located just south of the large indoor riding arena.

Tuesday, June 16

7:30 AM On-site Registration

8:00 AM Welcome and Field Tour – Visit to the production facility of Bailey Farms International, one of the largest forage exporters in the United States, and to the Golden Spike National Historic Site, the spot where the Union and Central Pacific Railroads joined in 1869 to complete the transcontinental railroad. Lunch and transportation will be provided.

2:30 PM Return to USU Equine Center

Professional Oral Presentations - Section I

3:00 PM Introductory Remarks

3:20 PM Chickpea (*Cicer arietinum* L.) Variety Evaluation for Yield Performance and Stability Under Dryland and Irrigation Condition in Montana.

Yesuf Assen Mohammed, Chengci Chen, K. A. McVay, Perry R Miller, Qasim Khan, Montana State University

3:40 PM Impact of Winter Irrigation and Summer Irrigation Termination on Alfalfa Dry Matter Yields.

Leonard M. Lauriault, New Mexico State University

4:00 PM Irrigation of Safflower in Northern Utah.

Lee Niel Allen, Earl Creech, Utah State University

4:20 PM Effects of Biochar Amendments on Wheat Productivity Under Chemical-Fallow.

Stephen Machado, Oregon State University

4:40 PM Discussion

5:00 PM Adjourn (Dinner on your own)

Wednesday, June 17

8:00 AM Introductory Remarks

Student Competition – Oral Presentations

- 8:20 AM Seeding Rate, N Fertilizer, and Harvest Date Effects on Teff Forage Yield and Quality. **Michael Laca**, Earl Creech, Grant E. Cardon, Utah State University; Kevin B. Jensen, USDA ARS Forage and Range Research Lab
- 8:40 AM Long-Term Compost Carryover in Organic Dryland Wheat Production. **Kareem Adeleke**, Jennifer R Reeve, David J. Hole, Earl Creech, Bruce Miller, Utah State University
- 9:00 AM A Comparative Evaluation of Cool-Season Rangeland Grasses for Establishment, Yield, and Forage Quality. **Craig Rigby**, Utah State University
- 9:20 AM Long-Term Effects of Land Use and Cropping System on Soil Quality in a Semi-Arid Climate. **Carlos M. Romero**, Chengci Chen, Richard E. Engel, Roseann Wallander, Montana State University
- 9:40 AM Screening Quinoa Varieties for Utah's Climate. Kristine Buckland, **Alanna Nafziger**, Jennifer R Reeve, Earl Creech, Utah State University
- 10:00 AM Break
- 10:20 AM Nitrogen Fertilizer Needs of First-Year Corn Grown after Alfalfa. **Mark Pieper**, Earl Creech, Grant E. Cardon, James Barnhill, Jody Gale, Clark Israelsen, Boyd Kitchen, Mark Nelson, Michael Pace, Utah State University Extension
- 10:40 AM Simulating Growth and Yield of Spring Safflower Using CROPGRO Model in Semiarid New Mexico. **Sukhbir Singh**, New Mexico State University; Kenneth J. Boote, University of Florida; Sangamesh Angadi, NMSU; Kulbhushan K. Grover, New Mexico State University; Sultan Begna, New Mexico State University; Dick L. Auld, Texas Tech University
- 11:00 AM QTL Analysis of Snow Mold Resistance in Soft White Winter Wheat Cultivar 'eltan'. **Erika Kruse**, Washington State University
- 11:20 AM Herbicide Options for Control of Glyphosate-Resistant Alfalfa in Glyphosate-Resistant Corn. **Joseph Sagers**, Jason Clark, Earl Creech, Utah State University
- 11:40 AM Potential of Forage Kochia and Other Plant Materials in Reclamation of Gardner Saltbush Ecosystems Invaded By Halogeton. **Rob Smith**, Utah State University
- 12:00 PM Lunch (on your own)

Professional Oral Presentations - Section II

- 1:30 PM Intensified Dryland Cropping Systems for Food and Fuel Production. **Chengci Chen, Reza Keshavarz Afshar, Montana State University**
- 1:50 PM Soil Acidification from Nitrogen Fertilizer Application in a Dryland Winter Wheat – Summer Fallow System in the Pacific Northwest. **Rajan Ghimire, Oregon State University Experiment Station; Stephen Machado, Oregon State University, CBARC; Prakriti Bista Ghimire, University of Wyoming**
- 2:10 PM Compost Carryover Effects on Utah Dryland Organic Wheat. **Earl Creech, Jennifer R Reeve, Utah State University**
- 2:30 PM Discussion
- 2:40 PM Break
- 3:00 PM WSCS Business Meeting
- 4:00 PM Poster Presentations
1. Genotype and Environment Effects on Yield, Starch and Protein of Dry Peas. **Aifen Tao, Montana State University; Fujian Agriculture and Forestry University; Reza Keshavarz Afshar, Yesuf Assen Mohammed, Chengci Chen, Montana State University**
 2. Simulating LONG-TERM IMPACT of CROP Management in Soil Organic Carbon Using Daycent MODEL. **Prakriti Bista Ghimire, University of Wyoming; Stephen Machado, Oregon State University, CBARC; Rajan Ghimire, Oregon State University Experiment Station**
 3. Impact of Rate and Timing of Nitrogen Application on Seed Yield, Quality and Nitrogen Economy of Canola in Eastern Canada. **Bao-Luo Ma, ARUNA WITHANA HERATH, Agriculture and Agri-Food Canada**
 4. Forage and Seed Yields and Forage Qualities of Biennial Canola Following Peas in the Pacific Northwest. **Kefyalew Girma, Montana State University-Northwestern Agricultural Research Center; Steven C. Fransen, Washington State University; Harold P. Collins, USDA-ARS**
 5. Identifying and Distinguishing Between Nitrogen and Water Stress. **Olga Walsh, Arjun Pandey, University of Idaho**
 6. Evaluation of Seed Coating Treatments in Soft White Winter Wheat. **Olga Walsh, Arjun Pandey, University of Idaho**
 7. Decomposing Site x Environment Interactions on Pea Yields in Montana. **Michael Bestwick, Chengci Chen, Richard E. Engel, Montana State University**
- 6:00 PM Dinner and Student Awards at the American West Heritage Center (4025 South US-89/91, Wellsville, UT)
- 8:00 PM Adjourn