

2016 Western Society of Crop Science Annual Meeting
Albuquerque, NM
July 12-13, 2016

Tuesday, July 12, 2016

- 7:15am – 8:00am On-site Registration and Check-In (**Gutierrez-Hubble House, Main House Parlor**)
- 8:00am – 8:05am Welcome from Dr. Earl Creech, President of WSCS and Dr. Mark Marsalis, Incoming President and Local Host
- 8:15am Tours of Albuquerque Area & Gutierrez-Hubble House (Lunch and transportation provided)

Professional Presentation Section I (Gutierrez-Hubble House, Main House Parlor); Moderator: Earl Creech

- 3:00 PM Introductory Remarks: Update from the CSSA Headquarters, **Dr. Michael Grusak**, President, Crop Science Society of America
- 3:30pm Stalk Lodging: A Structural Engineering Perspective. **Daniel Robertson**, *New York University*, Abu Dhabi, UAE.
- 3:50pm Performance of Perennial Cereal Rye in New Mexico. **Leonard M. Lauriault**, and **Mark A. Marsalis**, *New Mexico State University*
- 4:10pm Spring and Summer Planting Date Effects on Yield of Alfalfa in New Mexico. **Mark A. Marsalis**, and **Leonard M. Lauriault**, *New Mexico State University*
- 4:30pm Discussion
- 5:00pm Adjourn (Dinner on your own)

Wednesday, July 13, 2016

- 8:00am Introduction and Logistics, Mark Marsalis

Student Competition: Oral Presentation Section I (Gutierrez-Hubble House, Main House Parlor); Moderator: Leonard Lauriault

- 8:15am Quantitative Trait Locus Analysis of Drought and Salt Tolerance in an Introgressed Recombinant Inbred Line Population of Upland Cotton. **Abdelraheem Abdelraheem**, and **Jinfa Zhang**, *New Mexico State University*.
- 8:35am Optimum Plant Growth Habit for Harvest Efficiency with Etgar® Picker: A Comparison of Six Green Chile (*Capsicum annuum*) Cultivars. **Israel Calsoyas**, and **Stephanie J. Walker**, *New Mexico State University*, and **Paul Funk**, *USDA-ARS, Mesilla Park, NM*.
- 8:55am Screening of U.S Mini Cores for Resistance Against Sclerotinia Blight in Peanut. **Srijana Dura**, *New Mexico State University*.
- 9:15am Assessing Spring Canola Adoptability to the Southern High Plain Using Critical Stage Based Irrigation and Crop Modeling Approaches. **Krishna**

- Katuwal**, Youngkoo Cho, Eastern New Mexico University, Sangamesh Angadi, Sultan Begna, and Sukhbir Singh, New Mexico State University.
- 9:35am Chile Stand Management for Mechanical Green Chile Harvest. **Charles D. Havlik**, Stephanie J. Walker, Mark A. Marsalis, New Mexico State University, and Paul A. Funk, USDA-ARS, Mesilla Park, NM.
- 10:00am Break
- 10:20am Validation of SNP Markers for High Oleic Acid Trait in Valencia Mapping Population in Peanut. **Gurleen Kaur**, NMSU; Nancy Layland, Ratan Chopra, USDA Lubbock TX; Jennifer Chagoya, Mark D. Burow, Texas A&M AgriLife Lubbock, TX; Paxton Payton, USDA-ARS Lubbock, TX; Abishek Rathore, ICRISAT, Hyderabad, India; and Naveen Puppala, New Mexico State University.
- 10:40am Silage Corn Hybrid Response to Row Spacing and Plant Density. **Mark Pieper**, Earl Creech, Utah State University; Steven Hines, University of Idaho; Grant E. Cardon, and Ricardo A. Ramirez, Utah State University.
- 11:00am Suitable Legumes for Cover Cropping in the Irrigated Arid Southwest. **Mohammed Omer**, Omololu J. Idowu, Kulbhushan K. Grover, Nazar Al-Ibraheemi, Brian J. Schutte, and Soum Sanogo, New Mexico State University.
- 11:20am Evaluation of Organic Fertilizers on the Growth and Yield Green Chile (*Capsicum annuum* L.). **Laura Johnson**, and Stephanie J. Walker, New Mexico State University.
- 11:40am Discussion
- 11:50am – 1:00pm Lunch (on your own)

**Professional Presentation Section II (Gutierrez-Hubble House, Main House Parlor);
Moderator: Olga Walsh**

- 1:00pm Nitrogen Application Timing Influences Performance of Early and Medium Maturity Russet Potatoes. **Samuel Y.C. Essah**, Colorado State University, and Jorge A. Delgado, USDA-ARS, Ft. Collins, CO
- 1:20pm Improving Stalk Lodging Resistance and Informing Harvesting Decisions. **Daniel Robertson**, New York University, Abu Dhabi, UAE.
- 1:40pm Growth and Performance of Guar Genotypes Under Various Planting Dates in Southern and Eastern New Mexico. **Kulbhushan K. Grover**, Sudhir Singla, Sangamesh V. Angadi, Brian J. Schutte, Sultan Begna and Dawn VanLeeuwen, New Mexico State University.
- 2:00pm Compost Carryover and Cover Crop Effects on Dryland Organic Wheat in Utah. **Earl Creech**, Michael Deakin, Jennifer R. Reeve, and David J. Hole. Utah State University.
- 2:20pm Break

3:00pm – 4:30pm Poster Presentations (5-7 minute presentations per poster)

1. Biochar and Fertilizer Effects on Wheat Growth and Soil Properties. *Prakriti Bista, **Stephen Machado**, Oregon State University; Rajan Ghimire, New Mexico State University; and Larry Pritchett, Oregon State University.*
2. Crop Diversity in Winter Wheat Cropping Systems. **Murali Darapuneni**, *New Mexico State University.*
3. Selection Process for Fusarium Basal Rot Resistance in Onions. **Subhankar Mandal and Christopher S. Cramer**, *New Mexico State University.*
4. Improving Drought and Salinity Tolerance in Corn (*Zea mays* L.) by Introgression of Regionally Developed Open Pollinated Landraces. **Randall Montgomery**, *New Mexico State University.*
5. UAV-Based Scouting for Precision Nutrient Management. **Olga Walsh**, *University of Idaho.*
6. Cover Crops in a Winter Wheat-Sorghum-Fallow System: First Year Results of the Soil Properties and Water Use. **Rajan Ghimire, Joleen Szaloy, Binod Ghimire, and Abdel Mesbah**, *New Mexico State University.*
7. Relay Intercropping Turnips (*Brassica rapa* L.) and Oats (*Avena sativa* L.) into Sweet Corn (*Zea mays* L.) to Enhance Forage Biomass and Quality. **Robert Heyduck, Steven J. Guldan, Leonard Lauriault, and Connie Falk**, *New Mexico State University.*
8. Effect of Valencia Peanut Seed Treatments on Germination, Vigor, and Soilborne Diseases. **Phillip Lujan**, *New Mexico State University.*
9. Potentially Mineralizable Carbon Under Cover Crops: Results of a Field and Laboratory Incubation Study. **Binod Ghimire, Rajan Ghimire, Abdel Mesbah, and Joleen Szaloy**, *New Mexico State University.*

4:45pm Business Meeting

5:45pm Adjourn

6:00pm – 8:00pm Dinner and Student Awards (**Gutierrez-Hubble House, Outdoor Plaza**)