Tuesday, June 19, 2018

7:00 am – 7:30 am Gather at the Hotel Front Lobby (Hilton Garden Inn Laramie, 2229 Grand Avenue, Laramie, WY 82070)
7:30 am – 10:00 am Travel and Tour of Berry Farm, Wheatland (Transportation provided) Berry Production in Wyoming, LeRoy Jons, Antelope Gap Dream Berries and More, LLC.; Chris Hilgert, University of Wyoming (Coffee/Donuts provided)
10:00 am – 11:30 am Travel to UW Sustainable Agriculture Research and Extension Center (SAREC), Lingle (Transportation provided)
11:30 am On-site Registration (SAREC, Lingle)
11:30 am – 11:45 am Welcome from Dr. Mark Marsalis, President of WSCS and welcome and logistics from Dr. Anowar Islam, Local Host
11:45 am – 12:00 am Opening remarks and overview of SAREC. Dr. Steve Paisley, Assistant Director, SAREC, University of Wyoming
12:00 pm – 1:00 pm Catered Lunch (Lunch provided)

Field Tours (SAREC, Lingle)

1:00 pm – 1:10 pm Tour logistics; Anowar Islam and Kevin Madden, Farm Manager
1:10 pm – 1:20 pm Integrating livestock into cropping systems in SE Wyoming. Steve Paisley, University of Wyoming
1:20 pm – 1:30 pm Effect of micro-nutrient application on sugarbeet production. Vivek Sharma, University of Wyoming
1:30 pm – 1:40 pm Screening dry bean genotypes for drought tolerance. Jim Heitholt and Vivek Sharma, University of Wyoming
1:40 pm – 1:50 pm Sunn Hemp and Guar Production. Carrie Eberle, University of Wyoming
1:50 pm – 2:00 pm Understanding crop/weed interactions to better manage both crops and weeds. Andrew Kniss, University of Wyoming
2:00 pm – 2:10 pm Dry bean soil-borne disease management with integrated approach with tillage, variety, and in-furrow fungicides. Bill Stump, University of Wyoming
2:10 pm – 2:20 pm Potassium and harvest management for sustainable alfalfa production. Anowar Islam and Michael Baidoo, University of Wyoming
2:30 pm – 3:00 pm Break (coffee/snacks provided)
Professional Presentation Section I (SAREC, Lingle); Moderator: Dr. Earl Creech

3:00 pm  An Overview of Specialty Crop Production in Wyoming. Chris Hilgert, University of Wyoming, Laramie, WY.

3:20 pm  Whole farm Implications of Utilizing Direct Harvesting Techniques in Dry Bean Rotations in Southeast Wyoming and Western Nebraska. Brian Lee, University of Wyoming, Lingle, WY; John Ritten, University of Wyoming, Laramie, WY; and Andrew R Kniss, University of Wyoming, Laramie, WY.

3:40 pm  Shade Avoidance As a Mechanism of Crop Yield Loss Due to Weeds. Andrew R. Kniss and Albert Adjesiwor, University of Wyoming, Laramie, WY.

4:00 pm  Discussion

4:15 pm  Adjourn; Depart for Laramie (Dinner on your own)

Wednesday, June 20, 2018

7:00 am  Poster Set up, University of Wyoming Conference Center (attached to Hilton Garden Inn Laramie), Room Salon D
8:00 am  Coffee/Donuts
8:15 am  Introduction and Logistics, Dr. Anowar Islam
8:20 am  Introductory Remarks

Student Competition: Oral Presentation Section I (University of Wyoming Conference Center, attached to Hilton Garden Inn Laramie, Room Salon D); Moderator: Mr. Leonard Lauriault

8:30 am  Strategies for Quinoa Seed Production in High Temperature Environments. Logan Loveland, Earl Creech, Jennifer R. Reeve and Matt A. Yost, Utah State University, Logan, UT.

8:50 am  Effect of Crop Rotation, Tillage, and Herbicide Treatment on the Evolution of ALS-Resistant Kochia after Four Years. Elizabeth G. Mosqueda, Andrew Kniss, Gustavo Sbatella, University of Wyoming, Laramie, WY; Nevin C. Lawrence, University of Nebraska-Lincoln, Scottsbluff, NE; Prashant Jha, Montana State University, Huntley, MT; and David A. Claypool, Wyoming, University of Wyoming, Laramie, WY.

9:10 am  Strategies to Reduce Irrigation Requirement of Winter Canola. Paramveer Singh, New Mexico State University, Las Cruces, NM; Sangamesh V. Angadi and Sultan Begna, New Mexico State University, Clovis, NM.

9:30 am  Evaluation of Active Sensor in Assessing Corn N Status and Yield Response in Semi-Arid Region. Dinesh Panday and Bijesh Maharjan, University of Nebraska - Lincoln, Scottsbluff, NE.

9:50 am  Break
10:10 am  Understanding Soil Spatial Variability for Sustainable Forage Corn Production in Eastern New Mexico. Mikayla Allan, Rajan Ghimire, New Mexico State University, Clovis, NM; Colby Brungard, New Mexico State University, Las Cruces, NM; and Sultan Begna, New Mexico State University, Clovis, NM.

10:30 am  Effect of Potassium and Harvest Time on Forage Accumulation and Potassium Uptake of Alfalfa. Michael M. Baidoo and M. Anowarul Islam, University of Wyoming, Laramie, WY.

10:50 am  Effect of Deficit Irrigation on Drybean Soil Moisture Dynamics, Evapotranspiration, Yield, and Water Use Efficiency. Abhijit Rai and Vivek Sharma, University of Wyoming, Powell, WY.


11:30 am  Student Presentation Judging

11:50 am – 12:50 pm Lunch (on your own)

Professional Presentation Section II (University of Wyoming Conference Center, attached to Hilton Garden Inn Laramie, Room Salon D); Moderator: Dr. Mark Marsalis

1:00 pm  Utilizing Agronomic Disasters to Engage Producers in Research. Carrie A. Eberle, Brian Lee, Steve Paisley, University of Wyoming, Lingle, WY and John Tanaka, University of Wyoming, Laramie, WY.

1:20 pm  Glyphosate Injury to Glyphosate Resistant Alfalfa. Earl Creech, Utah State University, Logan, UT; Steve B. Orloff, Cooperative Extension, UC Agriculture and Natural Resources, Yreka, CA and Rob Wilson, University of California Agriculture and Natural Resources, Tulelake, CA.

1:40 pm  Cultural Methods for Improving Direct Harvest Efficiency in Dry Edible Bean. David A Claypool and Andrew R Kniss, University of Wyoming, Laramie, WY.

2:00 pm  Can We Breed Pulse Crops to Improve Human Health: An Emerging Facet in Contemporary Crop Improvement. Mark A. Brick and Henry Thompson, Colorado State University, Fort Collins, CO.

2:20 pm  Break

2:40 pm  Cover Crops in Limited Irrigated Cropping Systems: Opportunities and Challenges for Sustaining the Ogallala Aquifer. Rajan Ghimire, Abdel O. Mesbah, New Mexico State University, Clovis, NM; Ram N Acharya, New Mexico State University, Las Cruces, NM; and Mark A. Marsalis, New Mexico State University, Los Lunas, NM.

3:00 pm  Ability of Sainfoin and Cicer Milkvetch Populations to Rejuvenate Existing Pastures in Western Canada. Bikash Khatiwada, Surya N. Acharya, Francis Larney, Newton Z. Lupwayi, Elwin Smith, Agriculture and Agri-Food Canada,
Lethbridge, AB, Canada; and M. Anowarul Islam, University of Wyoming, Laramie, WY.

3:20 pm Western SARE Funding Opportunities for Research and Education for Increasing Production in a Changing Climate. Bruna Grimberg and Fabian Menalled, Montana State University, Bozeman, MT.

3:40 pm Alfalfa Planting Date Effects on Nutritive Value during Early Stand Life. Leonard M. Lauriault, New Mexico State University, Tucumcari, NM and Mark A. Marsalis, New Mexico State University, Los Lunas, NM.

4:00 pm – 4:45 pm Poster Presentations (Room Salon D; 5 minutes presentation per poster); Moderator: Dr. Rajan Ghimire

1. Introduction of Pulse Crops into the Wheat-Fallow Rotation in Southeastern Wyoming. Amberle Filley, Northwest Missouri State University and Carrie A. Eberle, University of Wyoming, Lingle, WY.

2. Impacts of Selected Summer Cover Crops on Wind Erosion Control. Bilgi Sarihan, Murali Darapuneni, Omololu John Idowu, Dave Dubois and Kulbhushan Grover, New Mexico State University, Las Cruces, NM.

3. Effects of Wilting and Additives on the Fermentation Quality, Chemical Composition and in Vitro of Sudangrass Silage. Earl Creech, Utah State University, Logan, UT.

4. Effects of Tillage Methods on Cotton Growth and Yield in New Mexico. Sifat Sultana, Omololu J. Idowu, Murali Darapuneni, Jinfra Zhang and Mohammed Nasir Omer, New Mexico State University, Las Cruces, NM.

5. Increasing Plant Mycorrhizal Status and Improving Soil Properties with Crop Rotation. Bouzeriba Alsunuse, Peter D. Stahl, Jay Norton, and Urszula Norton, University of Wyoming, Laramie, WY.


7. Bioenergy with Carbon Capture and Storage in the Upper Missouri River Basin: Farm-Level Economic Implications. Eilish Hanson, University of Wyoming, Laramie, WY.

8. Low-Cost IoT Environmental Monitoring Station to Assess GxE Interactions in Variety Trials. Roger Tyler, Colorado State University, Fort Collins, CO.


4:45 pm Business Meeting

5:45 pm Adjourn

6:15-8:30 pm Dinner and Student Awards (Catered; Room Salon D); Moderator: Dr. Mark Brick