

Western Regional Cooperative Soil Survey
 Western Society of Soil Science/Western Society of Crop Science
 Joint Conference
 Las Vegas, Nevada June 21-24, 2010

Sunday, June 20, 2010

Time	Activity	Presenter
1:00pm – 5:00pm	Registration	

Monday, June 21, 2010 Location: Main Conference Room (*WSSS/WSCS affiliated; ** WRCSS affiliated)

Time	Activity	Presenter
7:00am – 8:00am	Registration	
8:00am – 8:05am	Welcome	Bob Boyd, BLM/Levi Steptoe, NRCS
8:05am – 8:15am	Introductory Remarks	Bruce Peterson, NRCS Nevada State Conservationist
8:15am - 8:45am	Using Measurements and Models to Investigate Soil C and N Cycling (WSSS Keynote Talk)*	Steve Del Grosso, USDA-ARS
8:45am – 9:05am	Rapid soil carbon assessment**	Thomas Reinsch, NRCS
9:05am – 9:35am	Soil Tillage and Crop Rotations (WSCS Keynote Talk)*	Joe Lauer, University of Wisconsin and President, Crop Science Society of America
9:35am – 9:55am	Interagency Climate Monitoring in Southern Nevada**	Jim Hurja, USFS
9:55am – 10:20am	Break	
10:20am – 10:35am	Soil Type May Affect Cowpea Forage Mineral Content*	Leonard Lauriault, New Mexico State University
10:35am – 10:55am	Accelerated Development of Environmental Site Descriptors**	Joel Brown, USDA-ARS Las Cruces
10:55am – 11:10am	The Effects of Two Years of Manure Application on Corn Yield and Soil Salinity*	Abdel Berrada, Colorado State University
11:10am – 11:30am	Aggregating Soil Hydraulic Property Field Measurements for Large Scale Infiltration Processes**	Jianting Zhu, Desert Research Institute-Las Vegas
11:30pm – 1:00pm	Lunch	
1:00pm – 1:15pm	Sheep Grazing Effects on Dryland Soil Carbon and Nitrogen in the Wheat-Fallow System*	Upendra M. Sainju, USDA-ARS
1:15pm – 1:30pm	Atlas of Ecosystem Services-Gridded SSURGO**	Mark Johnson, USEPA-Corvallis Yongping Yuan, USEPA-Las Vegas
Student Talks		
1:30pm – 1:45pm	A Proposed Master V Horizon for Near Surface Horizons with Vesicular Porosity	Judith Turk, University of California-Riverside
1:45pm – 2:00pm	Soil Respiration Patterns Along a 3000m Elevation Gradient	Justin Richardson, University of California-Riverside
2:00pm – 2:15pm	Soil Landscape Controls on Biological Soil Crust Distribution, Mojave Desert	Amanda Williams, University of Nevada-Las Vegas
2:15pm – 2:30pm	Predictive Soil Mapping in Arizona's Basin and Range Province	Matt Levi, University of Arizona
2:30pm – 2:45pm	Break	

2:45pm – 5:00pm	Committee Break Out Sessions	Various
5:30pm – 6:30pm	Poster Session/Reception	Group

Location: Main Conference Room

Time	Activity	Presenter
2:45pm – 5:00pm	WRCSS Research Needs Committee	Dave Brown, Washington State University, Chair

Location: Break-Out Room 1

Time	Activity	Presenter
2:45pm – 5:00pm	WSSS/WSCS Business Meeting	Jay Norton/Leonard Lauriault

Location: Break-Out Room 2

Time	Activity	Presenter
2:45pm – 5:00pm	WRCSS By-Laws Ad Hoc Committee	Astrid Martinez, NRCS, Chair

Tuesday, June 22, 2010 Location: Main Conference Room (*WSSS/WSCS affiliated;**WRCSS affiliated)

Time	Activity	Presenter
8:00am – 8:20am	NASIS 6.0**	Paul Finnell/Steve Campbell, NRCS
8:20am – 8:35am	QTL Mapping for Bread Making Quality and Agronomic Traits in Winter Wheat Under Different Soil Moisture Levels*	Walid M. El-Feki, Colorado State University
8:35am – 8:55am	Creating a Seamless Soil Data Set, Okanagan, British Columbia**	Elizabeth Kenney, Agriculture and AgriFood Canada
8:55am – 9:10am	Seven Years of Research with Skip-Row Corn in Southwest Nebraska to Improve Drought Tolerance*	Robert N. Klein, University of Nebraska
9:10am – 9:30am	National Society of Consulting Scientists Update**	Phil Small
9:30am – 10:00am	Break	
10:00am-10:15am	Radiation Interception, Forage Yield and Quality of Sorghum-Legume Intercropping Systems in the Southern High Plains*	Sultan Begna, New Mexico State University
10:15am – 10:35am	Irrigated Commodity Crop Productivity Index**	Robert Dobos, USDA-NRCS
10:35am – 10:50am	Evaluation of Annual Forage Legumes Under Partial and Full Sunlight in the Southern Great Plains*	M.R. Umesh, New Mexico State University
10:50am – 11:10am	Visual Spectral Instrumentation for Carbon Analyses**	Dave Brown, Washington State University
11:10am – 11:25am	Impact of Glyphosate-Resistant Alfalfa Seeding Rate and Herbicides on Stand Establishment and Yield*	Earl Creech-Utah State University
11:30am – 1:00pm	Lunch	
1:00pm – 1:15pm	Photooxidation, Antioxidants, and Photosynthesis in cyanobacteria: Fundamentals to Applications*	Wendy K. Cecil, University of Wyoming
Student Talks		

1:15pm – 1:30pm	Integrating the Building Blocks of Agronomy into an IPM Strategy for Wheat Stem Sawfly*	B.L. Beres, Agriculture and AgriFood Canada
1:30pm – 1:50pm	An iPhone Application for on Demand Access to Digital Soil Survey Information**	Dylan Beaudette, University of California-Davis
1:50pm—2:00pm	Field Trip Overview	Doug Merkler, NRCS Brenda Buck, UNLV
2:00pm—2:10pm	Break	
2:10pm – 5:00pm	WRCSS Committee Break-Out Sessions	Various
2:10pm – 3:30pm	Open Group Discussion: Topics TBD	Group
5:30pm – 6:30pm	Student Awards Reception	Group

Location: Break-Out Room 1

Time	Activity	Presenter
2:10pm – 5:00pm	WRCSS Standards Committee	Ed Tallyn, Chair

Location: Break-Out Room 2

Time	Activity	Presenter
2:10pm – 5:00pm	WRCSS Applied Technology Committee	Bob Gavenda, Chair

Wednesday, June 23, 2010

Time	Activity	Presenter
7:30am – 5:00pm	Field Trip	Group

Thursday, June 24, 2010 Location: Main Conference Room

Time	Activity	Presenter
Agency Reports		
8:00am – 8:30am	Natural Resources Conservation Service	Jon Hempel, NRCS
8:30am - 8:45am	National Park Service	Pete Biggam, NPS
8:45am – 9:00am	Forest Service	Randy Davis, USDA-FS
9:00am – 9:15am	Bureau of Indian Affairs	Steve Wangemann, BIA
9:15am – 9:30am	Bureau of Land Management	Bob Boyd, BLM
Committee Reports		
9:30am – 9:55am	Standards Committee	Ed Tallyn, Chair
10:00am – 10:20am	Break	
10:25am – 10:50am	Applied Technology Committee	Bob Gavenda, Chair
10:50am – 11:10am	Research Needs Committee	Dave Brown, Chair
11:10am – 11:30am	By-Laws Ad Hoc Committee	Astrid Martinez, Chair
11:30am – 12:00pm	Group Discussion of Committee Reports	Group
12:00pm – 1:15pm	Lunch	
Business/Wrap-Up		
1:30pm – 2:00pm	Conference Business Meeting	Group
2:00pm – 2:15pm	Conference Wrap-Up	TBD
2:30pm – 3:30pm	Western Regional NCSS Business Meeting	Steering Committee
3:45pm – 5:00pm	Federal Lands Advisory Group Meeting	Advisory Group Members

Student Posters

Reduced-Input and organic management approaches affect soil organic carbon and nitrogen in Wyoming cash-crop and beef-calf production systems, R. Ghimire/J. Norton/U. Norton, University of Wyoming

Evaluation of cotton (*Gossypium hirsutum L.*) cultivars on the basis of crop performance at different seeding rates, Binod Pandey and others, Eastern New Mexico University

Heat unit based estimation of forage production with sorghum-legume intercropping systems in New Mexico, Magan Taylor-Allen, West Texas A&M University

Using reclaimed water for irrigation, Julie Escalera, University of California-Riverside

Using natural N and O isotope abundances to decipher nitrification and denitrification in a tile-drained dryland agricultural systems of the Palouse Region of Eastern Washington State, Christopher Kelley, Washington State University

Changes in Soil Carbon Storage Under Conservation Tillage: Topographic Influences, Eric Robertson/Jodi-Johnson-Maynard, University of Idaho

General Posters

A Pan-Canadian ethanol feedstock study to benchmark the relative performance of triticale, B.L. Beres (Lethbridge Research Centre, Alberta)

Atlas of Ecosystem Services-Gridded SSURGO, Mark Johnson/Yongping Yuan, USEPA

Potential of winter canola as a dual purpose crop in the Southern High Plains, Sultan Begna and Sangu Angadi, New Mexico State University

Soil Climate Characterization Project: An Application for Monitoring Climate Change, Doug Merkler, USDA-NRCS and Jim Hurja, USDA-FS

Precision manure management: It matters where you put your manure, Raj Khosla, Colorado State University

Relationship between climatic conditions and soil properties at SCAN and SNOTEL sites in Utah, Karen Vaughn, USDA-NRCS

The TEUI Geospatial Tool Kit, Robert Vaughn, USDA-FS