Program

Sunday, February 3, 2008

Registration
12:00 PM–5:00 PM
Dallas Adams Mark-Convention Center, Grand Hall

Poster Session
Dallas Adams Mark-Convention Center, Grand Hall
Authors Present 3:00 PM–6:00 PM

Graduate Student Competition
1. Measurement of CO₂ Exchange in a Peanut Field: Response to Temperature and Soil Moisture. Natchaya Pingintha*¹, Monique Leclerc¹, John P. Beasley Jr.², Jinkyu Hong¹, Gengsheng Zhang¹ and Chuckree Senthong³, (1) The University of Georgia, (2) University of Georgia, (3) Chiang Mai University
3. Effects of Soil-Applied Imidacloprid on the Control of Two Foliage Feeding Citrus Pests. Delfino Rodriguez*¹, Dr Shad D. Nelson², Mamoudou Sé tamou¹ and Robert Saldana¹, (1) Texas A&M University-Kingsville Citrus Center, (2) Texas A&M University-Kingsville
4. Germination and Growth Response of Tomato Transplants to Different Cover Materials and Organic Rooting Substrates. Kurt O. Taylor*¹, Muchha R. Reddy¹, Carl E. Niedziela Jr.⁵ and Mary M. Peet², (1) North Carolina Agricultural and Technical State University, (2) North Carolina State University
5. Response of Soil CO₂ Efflux to Rainfall Variability in Wheat and Peanut Fields. Chompunut Chayawat*¹, Monique Leclerc¹, Jinkyu Hong¹, John P. Beasley Jr.² and Chuckree Senthong³, (1) University of Georgia, (2) University of Georgia, (3) Chiang Mai University
6. Residual Effects of Previous Broiler Litter Applications on Soybean Productivity. Matt Upchurch*, David Ferguson, Ill Handayani and John Mikulcik, Murray State University
7. Buffalograss Response to Swine Efluent and Urea N: A 7 Year Study. J. Clemn Turner* and Jeff Hattey, Oklahoma State University
9. Ammonia Losses from Surface Applied Urea-Based Nitrogen Fertilizers. Fernando Ducamp*¹, Charles Mitchell¹, Francisco Arriaga² and Kipling Balkcom², (1) Auburn University, (2) USDA-ARS

Posters – Crops
11. Short-Term (1948-2001) Temperature and Rainfall Trends for the South-Central USA. David Burner*, USDA-ARS
Effects of Planting Date on Agronomic Performance and Yield of Two Bt Corns in the Mississippi Delta. Lingxiao Zhang*, M. Wayne Ebelhar and Bernie White, Mississippi State University

Late Season Aerification and Topdressing Effects on Cynodon dactylon Spring Green-up. Paul B. Woosley*, Western Kentucky University

A Survey on Agriculture Student's Views and Expectations of Coop Courses and Internship Experiences. Paul B. Woosley* and John Kessell, Western Kentucky University

Herbicides and Intercultivation Improves Weed Control in Winter Canola. Udai R. Bishnoi* and Lekhanath Paudel, Alabama A&M University

Mobile Biodiesel Processing Unit Launched in Alabama: A Biodiesel Classroom on Wheels. Ernst Cebert*, Alabama A&M University

Screening of Early Maturing Winter Canola Lines for Resistance to Blackleg Disease. Rufina Ward*, Leopold Nyochembeng and Ernst Cebert, Alabama A&M University

Effects of Avail on Phosphorus Utilization of 'Tifton' 85 Bermudagrass. Brandon Stewart*¹, Paul A. Beck², Larry Murphy³ and Melissa M. Beck¹, (1) University of Arkansas, (2) University of Arkansas Southwest Research & Extension Center, (3) Fluid Fertilizer Foundation

Response of Determinate and Indeterminate Soybeans to Bradyrhizobium japonica Seed Inoculation on a Clay Soil Following Rice. Paul Francis*¹, Dain Strickland² and C. Robert Stark¹, (1) University of Arkansas at Monticello, (2) University of Arkansas

Posters – Soils

Influence of Nitrogen Fertilizer Placement on Corn Yield in Single and Twin Row Production Systems. Henry J. Mascagni* Jr. and Robert Bell, LSU AgCenter

Soil Carbon and Nitrogen Measurements under different Crops and Land Management. Rocky Lemus, Mississippi State University, Lawrence C. Garcia*, Natural Resources Conservation Service and David Colbert, Texas A&M University - Commerce

Phytoremediation Technology for Land Rehabilitation. Joel L. Douglas*¹, Jerry Lemunyon¹, Bill Kuenstler¹, James Henson¹ and Peter Kulakow², (1) Natural Resources Conservation Service, (2) Kansas State University - Plant Pathology

Nitrogen and Potassium Fertilizer Response for Non-Irrigated Cotton Production. Davis R. Clark* and M. Wayne Ebelhar, Mississippi State University

SAAS Opening Session
3:30 PM–5:00 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3

SAAS Reception
5:00 PM–10:00 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom B/C

Monday, February 4, 2008

Graduate Student Oral Competition—Crops
7:55 AM–10:00 AM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3

Presiding: Richard J. Norman, University of Arkansas

7:55 AM Introductory Remarks
8:00 AM Standardizing Surface Temperature Estimation from Airborne Thermal Imager in Crop Water Stress Assessment. Jessica Torrion*, Texas Tech Agronomy Club and Stephan Maas, USDA-ARS
8:15 AM  Evaluation of Vitazyme as a Fertilizer Supplement in Establishing and Maintaining Bermudagrasses. Jack Rose* and Hennen Cummings, Tarleton State University
8:45 AM  Quantitative Trait Loci Mapping Heat Tolerance during Reproductive Development in Wheat (Triticum aestivum). Richard Esten Mason*¹, Suchismita Mondal², Jung Hwa Do¹ and Dirk B. Hays¹, (1) Texas A&M University, (2) Texas A & M University
9:00 AM  Potassium Deficiency Influences Rice Growth and Yield. Elliot Maschmann*, Nathan Slaton, Russell Delong, Bobby Golden and Pietro Micheri, University of Arkansas
9:30 AM  Discussion
9:40 AM  Break

Graduate Student Oral Competition—Soils
10:00 AM–12:00 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: John P. Beasley Jr., University of Georgia

10:00 AM  Introductory Remarks
10:05 AM  Chelate-Assisted Phytoextraction Potential of Vetiver Grass in Reducing Human Bioaccessibility of Soil Lead. Syam Sundar Andra*, Rupali Datta, Dibyendu Sarkar and Sumathi K. M. Saminathan, Environmental Geochemistry Laboratory, University of Texas at San Antonio
10:20 AM  TNT Adsorption in Chemically Variant Soils: Preliminary Studies. Padmini Das*, Konstantinos C. Makris, Dibyendu Sarkar, Rupali Datta and Pravin Punamiya, University of Texas at San Antonio
10:35 AM  Evaluation of Polymer-Coated Urea as an Alternative to Preflood Urea for Delayed-Flood Rice. Bobby Golden*, Nathan Slaton, Russell Delong and Richard Norman, University of Arkansas
10:50 AM  Stormwater Runoff Analysis for the University of Arkansas Campus Area. Keshia Koehn*, Univ. of Arkansas CSES Club
11:05 AM  Spatial Patterns of Physical Properties in Heterogeneous Citrus Soils of Florida. Kirandeep Mann*, Arnold Schumann and Thomas Obreza, University of Florida
11:35 AM  Effect of Arbuscular Mycorrhizal Fungi on Cadmium Uptake by Brassica juncea: An Incubation Study. Pravin Punamiya*, Rupali Datta, Mandakini Patel, Dibyendu Sarkar and Padmini Das, University of Texas at San Antonio
11:50 AM  Discussion
12:00 PM  Lunch

Soil and Water
1:10 PM–3:00 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: Nathan Slaton, University of Arkansas

1:10 PM  Introductory Remarks
1:15 PM  Cover Crop Management Effects on Microclimate and Soil Biological Activity. Larry Zibilske* and Donald Makus, USDA-ARS
1:30 PM  Antioxidative Responses and Arsenic Localization in the Arsenic-Hyperaccumulator Chinese Brake Fern (Pteris vittata L.). Mandakini J. Patel*¹,
Rupali Datta¹, Pravin Punamiya¹, Dibyendu Sarkar¹ and Shivendra Sahi², (1) University of Texas at San Antonio, (2) Western Kentucky University

1:45 PM Soil Microbial Diversity, Structure and Functioning Under Alternative Systems to Continuous Cotton. Veronica Acosta-Martinez*¹, Gloria Burow¹ and Vivien G. Allen², (1) USDA-ARS, (2) Texas Tech University

2:00 PM Soil Carbon Pools and Aggregation under Endophyte-infected and Endophyte-Free Tall Fescue. I.P. Handayani*¹, M.S. Coyne² and T. Phillips², (1) Murray State University, (2) University of Kentucky

2:15 PM Monitoring Water Wells in Middle Tennessee with down Well Camera. Samuel Dennis*¹, Desh Duseja¹, Paul F. Vendrell² and Alvin Wade¹, (1) Tennessee State University, (2) University of Georgia

2:30 PM Discussion

2:40 PM Break

Forages
3:00 PM–4:30 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: Daren Redfearn, Oklahoma State University Extension

3:00 PM Introductory Remarks

3:05 PM Seeded Bermudagrass Evaluations Across the Southeastern USA. Gerald Evers*¹, William Anderson², David Lang³, Charlie Rodgers⁴ and Brandon Shankle⁵, (1) Texas A&M University - Rangeland Ecology & Management, (2) USDA-ARS, (3) Mississippi State University, (4) Seeds West

3:20 PM Growth and Quality of Cool-Season Perennial Grass Species in the Southern Great Plains. Samuel W. Coleman*¹, Srinivas C. Rao², Jerry Volesky³ and William A. Phillips², (1) USDA-ARS, Subtropical Agricultural Research Station, (2) USDA-ARS, (3) University of Nebraska

3:35 PM Levels of Nitrogen in Soils, Plants and Shallow Groundwater Beneath Bahiagrass-Based Pastures with Cow-Calf Operations. Gilbert C. Sigua*¹, Robert K. Hubbard² and Samuel W. Coleman¹, (1) USDA-ARS, Subtropical Agricultural Research Station, (2) Southeast Watershed Research Laboratory, USDA-ARS

3:50 PM Phosphorus Acquisition by Duo Grass (Duo festulolium) is Enhanced in the Presence of Various P-Sources in the Growth Media. Priya Padmanabhan¹, Kenneth Sajwan² and Shivendra Sahi*¹, (1) Western Kentucky University, (2) Savannah State University

4:05 PM Defoliation Management Effects on Tifton-85 Bermudagrass Greenchop Production and Pest Problems. Yoana C. Newman*¹, Kevyn Juneau², Norman Leppla², Clyde W. Fraisse², Mary C. Christman³ and Jennifer Gillett³, (1) University of Florida - Agronomy Department, (2) University of Florida - IFAS

4:20 PM Discussion

4:30 PM Adjourn

Business Meeting
4:30 PM–5:30 PM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: Kipling Balkcom, USDA-ARS

Tuesday, February 5, 2008

Row Crops I
8:00 AM–9:45 AM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: Jason Kelley, University of Arkansas Cooperative Extension Service
8:00 AM Introductory Remarks
8:05 AM Comparing Maturity Group IV Soybeans with Later Groups in South Carolina. Pawel Wiatrak*, Clemson University
8:20 AM Response of Peanut Cultivars to Planting Date. J. P. Beasley* Jr., R.S. Tubbs, J.E. Paulk III, R.C. Kemerait, Albert K. Culbreath and T.B. Brenneman, University of Georgia
8:35 AM Sulfur Application on High pH Soils to Improve Nutrient Availability. Robert Wiedenfeld*, Texas Agricultural Experiment Station (Main Office)
8:50 AM Italian Ryegrass Management in Texas Wheat. Gaylon Morgan*, Texas A&M University - Soil & Crop Sciences
9:05 AM Improving Phosphorus Fertilization Recommendations for Rice. Timothy Walker1, Michael Cox1, Nathan Slaton2, Jason Bond1 and Jason M. Satterfield1, (1) Mississippi State University, (2) University of Arkansas
9:35 AM Discussion
9:45 AM Break

Row Crops II
10:05 AM–11:35 AM
Dallas Adams Mark-Convention Center, Dallas Ballroom A3
Presiding: Timothy Walker, Mississippi State University

10:05 AM Introductory Remarks
10:10 AM Establishing Crimson Clover Following Soybean as A N Source for Corn. Carl R. Crozier*, Alan D. Meijer, Samuel C. Reberg-Horton and George Place, North Carolina State University
10:25 AM Seeding Rates and Nitrogen Rates for Twin-row Corn Production in Mississippi. M. Wayne Ebelhar* and Davis R. Clark, Mississippi State University
10:40 AM Three-year Summary of Cotton Response to Residual N and K Following Corn Production in the Mississippi Delta. Davis R. Clark* and M. Wayne Ebelhar, Mississippi State University
11:10 AM Immediate and Residual Effect of Pelleted Poultry Litter on Corn in Arkansas. Morteza Mozaffari1, Nathan A. Slaton2, C. G. Herron1 and S. D. Carroll1, (1) University of Arkansas Soil Testing and Research Laboratory, (2) University of Arkansas
11:25 AM Discussion
11:35 AM Adjourn