Saturday, 23 June 2007

**AFGC Golf Tournament**
12:00 PM–5:00 PM
Elks Country Club, Boalsburg, PA

**Forage and Grassland Foundation**
4:00 PM–4:00 PM
Penn State Agronomy Farm

Sunday, 24 June 2007

**NEBCSA Board of Directors**
8:00 AM–12:00 PM
Penn Stater Conference Center, Room 104

**AFGC Board of Directors**
8:00 AM–12:00 PM
Penn Stater Conference Center, Room 105

**Registration Open**
8:00 AM–5:30 PM
Penn Stater Conference Center, Lobby

**Grassland Evaluation Contest**
10:00 AM–12:00 PM
Penn Stater Conference Center, Pasture NE of Conference Center

**Open Discussion of USDA-CSREES National Programs Direction**
10:00 AM–12:00 PM
Penn Stater Conference Center, Room 107

**Exhibitors Setup & Scientific Poster Setup**
10:00 AM–1:00 PM
Penn Stater Conference Center, Presidents Hall 1

**Exhibit Area Open**
1:00 PM–5:00 PM
Penn Stater Conference Center, Presidents Hall 1

**National Hay Show Exhibit**
1:00 PM–5:00 PM
Penn Stater Conference Center, Presidents Hall 1

Silent Auction
1:00 PM–5:00 PM
Penn Stater Conference Center, Presidents Hall 1

Photo Contest
1:00 PM–5:00 PM
Penn Stater Conference Center, Presidents Hall 1 Foyer

Grazing and Pasture Management
Penn Stater Conference Center, Presidents Hall 2

Moderator: Robert Hendershot, USDA Natural Resources Conservation Service
1:00 PM  Conservation Effects Assessment for Pastureland. Leonard Jolley*, USDA-NRCS
1:15 PM  Effects of Management and Weather on Cattle Distribution Patterns. Mathew M. Haan*, Jim Russell1, Jeremiah D. Davis2 and Dan Morrical1, (1)Iowa State Univ, (2)Iowa State University
1:45 PM  Fee-Based Producer Study Groups: a New Approach Towards Integrated Forage Management. Woody Lane*, Lane Livestock Services and Chad S. Hale, DLF International Seeds
2:00 PM  Applying the NRCS Pasture Condition Score System at the Whole-Farm Scale. Matt Sanderson*, Sarah Goslee, Robert Stout and Jeffery Gonet, USDA-ARS
2:15 PM  Timing of Herbage and Fasting Allocation Alters Nutrient Supply in Grazing Cattle. Pablo Gregorini*, Stacey A. Gunter2 and Paul A. Beck2, (1)USDA-ARS Pasture Systems and Watershed Management Research Unit, (2)University of Arkansas Southwest Research & Extension Center

Soils
Penn Stater Conference Center, Presidents Hall 3

Moderator: Karen Gartley, University of Delaware
1:00 PM  Effect of Manure-borne Veterinary Antimicrobials on Soil Bacteria Metabolic Function. John D. Toth*, Zhengxia Dou1, James D. Ferguson1, Charles F. Ramberg, Jr.1, Christine Wang1, Shelly Rankin1, Ququan Wang2 and Yucheng Feng3, (1)University of Pennsylvania School of Veterinary Medicine, (2)Delaware State University, (3)Auburn University
1:30 PM  Nutrient Release from Decomposition of Poultry Litter Following Land Application. Mingxin Guo*, Delaware State University
1:45 PM  Transforming Organic Waste Management and Recycling in PA. Richard Stehouwer* and Robert Graves, Penn St. University
2:00 PM  Rootstock Genotype and Groundcover Management Strategies in an Old Orchard Affect Soil Microbial Community Composition and Apple Replant Disease Severity. Angelika Rumberger*, Ian A. Merwin2 and Janice E. Thies1, (1)Cornell University, Department for Crop and Soil Sciences, (2)Cornell University, Department for Horticulture

Pasture and Forage Management for Horses
Penn Stater Conference Center, Presidents Hall 4

Moderator: NRCS-GLCI
1:00 PM – 2:30 PM

Certified Grassland Professional Exam
1:00 PM – 3:00 PM
Penn Stater Conference Center, Senate 2
**Break**  
2:30 PM–3:00 PM  
Penn Stater Conference Center, Presidents Hall 1

**Poster Session**  
2:30 PM-3:00 PM  
Penn Stater Conference Center, Presidents Hall 1

1. **Effects of Grazing Management on Stream Bank Erosion.** Mathew M. Haan*, Jim Russell¹, John Kovar² and Shelly Nellesen¹, (1)Iowa State Univ, (2)USDA-ARS
2. **Quantifying Distance, Speed, and Position in Grazing Horses Using Small, Inexpensive Global Positioning System Units.** W. Burton Staniar*, Carina Clingman, Tracy Smith and Bridgett McIntosh, Virginia Tech, Middleburg Agricultural Research and Extension Center
3. **Small Ruminant Performance and Carcass Parameters When Finished on Pasture with and without Whole Cottonseed Supplementation.** Kenneth E. Turner*, David P. Belesky¹ and James Y. Pritchard², (1)USDA-ARS-Appalachian Farming Systems Research Center, (2)West Virginia University
4. **Diurnal Eating Pattern and Performance of Cattle Strip Grazed with Afternoon Herbage Allocation or Continuously Variable Stocked.** Pablo Gregorini*, Mariano Eirin², Lorena Agnelli², Roberto Refi², Oscar Ansin², Carlos Masino², Michael Wade³, Kathy J. Soder¹ and Stacey A. Gunter⁴, (1)USDA-ARS Pasture Systems and Watershed Management Research Unit, (2)National University of La Plata, (3)national University of the Center of Buenos Aires Province, (4)University of Arkansas Southwest Research & Extension Center
5. **Soil Nutrient Levels Within and Among Grazing Farms in the Northeast USA.** Matt Sanderson*, Sarah Goslee, Ray Bryant and Jeffery Gonet, USDA-ARS
6. **Control of Wax Myrtle in Louisiana Pastures.** Edward Twidwell, Thomas Shields, James Meaux and Ron Strahan, LSU Agricultural Center
7. **Methods for Establishing Fair Pasture Rental Leases.** Jeff Fisher*, OSU Extension, Pike County and David Mangione, OSU Extension, Ross County
8. **Utilization of Pasture Seed Mixtures in the Northeast USA.** Robert Stout*, Matt Sanderson¹, Marvin H. Hall², Sarah Goslee¹ and Jeff Gonet¹, (1)USDA-ARS, (2)Penn State University
9. **Calving Date Effect on Weaning Weight and Margin over Winter Fed Cost of Cow.** Edward B. Rayburn and Philip I. Osborne, West Virginia University
10. **Predicting Need for Phosphorus by Soil Testing During Seeding of Grasses.** Joseph Heckman*, Stephanie Hamel² and Mary Provance-Bowley², (1)Rutgers University, Department of Plant Biology & Pathology, (2)Rutgers State University
13. **The Prediction of Phytotoxicity on Bentgrass Putting Greens from Foliar Fertilizer Applications.** Ingrid Elizabeth Hersh* and Maxim Schlossberg, The Pennsylvania State University
14. **Soil Potassium Levels in Pastures of Northeast Dairy and Beef Farms.** Robert Stout*, Matt Sanderson, Sarah Goslee and Jeff Gonet, USDA-ARS

**Grazing and Pasture Management**  
Penn Stater Conference Center, Presidents Hall 2

*Moderator: Matt Sanderson, USDA-ARS

3:00 PM  **Finding Alternatives to Ammonium Nitrate for Cool-season Grass Pastures.** Robert Kallenbach*, University of Missouri
3:15 PM  **Pasture Weed and Brush Control Improves Forage Production.** Byron Sleugh*, Pat Burch, Robert Masters and Vernon Langston, Dow AgroSciences
3:30 PM  **2007 Pastureland National Resource Inventory Test Protocols.** James Cropper*, USDA, NRCS, East National Technology Support Center
3:45 PM  **Spatial Variation of Endophyte Distribution in Beef and Dairy Cattle Pasture.** Caroline Brown, University of Melbourne, David Barker*, Dept. of Horticulture & Crop Science, Ohio State University and Dr Brian Slater, Ohio State University
4:00 PM  **Plant Species Diversity and Distribution in Pastures of the Northeastern USA.** Sarah Goslee*, Matt Sanderson and Jeff Gonet, USDA-ARS

4:15 PM  **Ohio Pasture Growth 2006.** Jefferson S. McCutcheon*, OSU Extension and Robert Hendershot, USDA Natural Resources Conservation Service

4:30 PM  **Distillers Dried Grains Supplementation of Fall-Calving Cows or Calves on Pre- and Post-Weaning Performance of Steers in a Pasture Finishing System.** Peter W. Lasley*, James Russell, Dan Morrical, Daryl Strohbehn and John Lawrence, Iowa State University

4:45 PM  **Potential for no-till interseeding and banded herbicide for pasture improvement.** Ronald Hoover*, David Hartman, Mark Madden and J. Craig Williams, Pennsylvania State University

**Forage Quality and Utilization**

3:00 PM–4:15 PM
Penn Stater Conference Center, Presidents Hall 3
*Moderator: Christopher Teutsch, Southern Piedmont Research Ctr.*

3:00 PM  **Activity Access Indicated Via Electrolyte Leakage.** Dennis Buckmaster*, Purdue University

3:15 PM  **Matric Seed Priming of Two Cultivars of Lotus corniculatus L.** Thomas M. Smith*, The Ohio State University and John Fike, Virginia Tech

3:30 PM  **Fiber analysis of browse species varying in condensed tannin content.** Richard M. Wolfe¹, Thomas H. Terrill*² and James P. Muir¹, (1)Texas Agricultural Experiment Station, (2)Fort Valley State University

3:45 PM  **Standardizing Evaluation of Tall Fescue Varieties.** Debbie Cherney and Jerry Cherney*, Cornell Univ.

4:00 PM  Maturity and Season Effects on Yield and Quality of Temperate Perennial Grasses. Geoffrey Brink* and Michael Casler, US Dairy Forage Research Center

**Goat Grazing and Pasture Management**

3:00 PM–5:00 PM
Penn Stater Conference Center, Presidents Hall 4
*Moderator: NRCS-GLCI*

**Collegiate Forage Bowl Competition**

3:00 PM–5:00 PM
Penn Stater Conference Center, Senate 3
*Moderator: Ozzie Abaye, Virginia Tech*

**NRCS-GLCI Reception**

5:30 PM–6:30 PM
Penn Stater Conference Center, Senate Lounge

**AFGC and Northeastern Branch Mixer**

6:00 PM–8:00 PM
Penn Stater Conference Center, Terrace
Deans Hall if inclement weather.

**Monday, 25 June 2007**

**Registration Open**

7:00 AM–1:00 PM
Penn Stater Conference Center, Lobby

**Exhibit Area Open**

7:00 AM–12:00 PM
Penn Stater Conference Center, Presidents Hall 1
Coffee and Juice available until 8:15 am
Welcome
8:20 AM–9:00 AM
Penn Stater Conference Center, Presidents Hall 2 & 3
8:20 AM Conference Welcome. Marvin Hall, Chair of Conference Planning Committee; Dick Weismiller, President of Northeastern Branch ASA-CSSA-SSSA; Bill Talley, President of AFGC
8:30 AM Welcome to Pennsylvania. Dennis Wolff, Pennsylvania's Secretary of Agriculture

Biofuels: Agriculture's Ticket to the Head of the Table?
Penn Stater Conference Center, Presidents Hall 2 & 3
9:00 AM Dr. Tom Richards, Director of the Biomass Energy Center at Penn State

Break
10:00 AM–10:30 AM
Penn Stater Conference Center, Presidents Hall 1

Poster Session
10:00 AM-10:30 AM
Penn Stater Conference Center, Presidents Hall 1

AFGC Emerging Scientist Competition
Penn Stater Conference Center, Presidents Hall 2
Moderator: M. J. Williams, USDA, NRCS
10:30 AM Manure and a Microscope: The Keys to Keeping Kentucky's Thoroughbreds Kicking. Jesse Morrison*1, Dr. S. Ray Smith1 and Glen Aiken2, (1)University of Kentucky, (2)USDA-ARS-MSA
10:45 AM Defying the Yield/Quality Curve: Relating Alfalfa Regrowth Rate to Forage Quality. Thomas Probst* and Dr. Ray Smith, University of Kentucky
11:00 AM Assessing the Potential of Co-Grazing Small Ruminants with Beef Cattle to Improve Utilization of Marginal Pasturelands in Virginia. Darryl Matthew Webb*, Virginia Tech
11:15 AM Effect of Nitrogen Source and Rate on Yield and Quality of Stockpiled Fescue. Elizabeth Yarber*1, A. Ozzie Abaye2, Christopher Teutsch3, Marcus Alley2 and Guillermo Scaglia7, (1)Virginia Tech Agronomy Club, (2)Virginia Tech, (3)Southern Piedmont Research Ctr.
11:30 AM Hair Coat and Ear Implant Effects on Physiological Measurements of Steers Grazing Toxic Tall Fescue During the Summer. Linda McClanahan*, University of Kentucky and Glen Aiken, USDA-ARS-MSA
NEBCSA Crops Graduate Student Competition
Penn Stater Conference Center, Presidents Hall 3
Moderator: Gregory Roth, Pennsylvania State Univ.

10:30 AM The Economic Potential of Canola, Rapeseed and Mustard in Pennsylvania cropping systems. Mary Carol Frier*, Gregory Roth and Jayson Harper, Pennsylvania State University

10:45 AM Salinity Tolerance of Greens-type Poa annua L.. Jing Dai*, Max Schlossberg and David Huff, The Pennsylvania State University

11:00 AM The Effect of CuSO₄ From Dairy Manure on the Growth and Composition of Cool Season Forage Grasses. Sally A. Flis*, Sidney C. Bosworth², Everett D. Thomas¹ and Jeffrey W. Darrah¹, (1)W.H. Miner Agricultural Research Institute, (2)University of Vermont Department of Plant and Soil Science

11:15 AM Effect of Crop Intensification on Silage Yields and the Water Balance in Southeastern Pennsylvania. Ymène Fouli*, Daniel Fritton¹, Sjoerd Duiker¹, Marvin H. Hall² and Jack Watson¹, (1)Penn State University, (2)Pennsylvania State Univ.


11:45 AM Reversing Maize Yield Decline in Shifting Cultivation of the Yucatán Peninsula, Through Weed Control and Manure Management. David Parsons*, Jerome H. Cherney¹, Quirine M. Ketterings¹, Luis Ramírez-Aviles², Robert W. Blake¹ and Charles F. Nicholson¹, (1)Cornell University, (2)Universidad Autónomo de Yucatán

NEBCSA Soils Graduate Student Competition
Penn Stater Conference Center, Presidents Hall 4
Moderator: Richard Weismiller, University of Maryland

10:30 AM Predicting Phytotoxicity of Bentgrass Putting Greens from Foliar Fertilizer Applications. Ingrid Elizabeth Hersh* and Maxim Schlossberg, The Pennsylvania State University

10:45 AM Sodium-saturated Hydrated Mica Reduces Copper Solubility in Cu-contaminated Soils. Jason W. Stuckey*, Alexander Neaman² and Carmen E. Martínez¹, (1)Pennsylvania State University, (2)Pontificia Universidad Católica de Valparaíso

11:00 AM Minimizing Nutrient Leaching in Coal Mine Spoil Amended with Composted or Fresh Poultry Manure and Paper Mill Sludge. Ashlee Dere*, Penn State University

11:15 AM Tillage Tools for Manure Incorporation and N Conservation. Joseph R. Lawrence*, Shawn Bossard², Quirine Ketterings¹ and Gregory Godwin¹, (1)Cornell University, (2)Cornell Cooperative Extension of Seneca County

11:30 AM Long-term Effects of Cropping Systems on Soil Aggregate Stability. K. Grover* and H.D. Karsten, Department of Crop and Soil Sciences

Pick up Box Lunch
12:15 PM
Hotel, Lobby

Professional Tours
12:20 PM–5:30 PM
Outside Hotel Lobby
12:20 PM Load Tour Buses
12:30 PM 1. Forage Tour
2. Industry Tour
3. Grain Crops Tour
4. Soils Tour
**Pennsylvania Night**
4:45 PM–9:15 PM
Hotel, Lobby

- 4:45 PM Bus for Families Departs
- 5:30 PM Covered Bridge
- 7:30 PM Live Auction, Darwin Braun, Auctioneer
- 8:30 PM Buses Depart for Hotel
- 9:15 PM Arrive at Conference Center

**Tuesday, 26 June 2007**

**Producer Day**

**Registration Open**
7:15 AM–4:30 PM
Penn Stater Conference Center, Lobby

**Industry and Affiliate Council Breakfast**
7:30 AM–9:00 AM
Penn Stater Conference Center, Presidents Hall 2

- 7:30 AM Breakfast. Ticket Required
- 8:00 AM Roundup Ready Alfalfa: An Update. Hank Bendorf, Private consultatn in the forage industry.

**Exhibit Area Open**
8:00 AM–3:30 PM
Penn Stater Conference Center, Presidents Hall 1

**AFGC Silent Auction Open**
8:00 AM–1:30 PM
Penn Stater Conference Center, Presidents Hall 1 Foyer

**Opening Session**
9:25 AM–10:30 AM
Penn Stater Conference Center, Presidents Hall 4

*Moderator:* Scott Harkcom, Penn State University and President of PFGC

- 9:30 AM Welcome to Penn State. Bruce McPeron, Assoc. Dean of Research, College of Agricultural Sciences, Penn State Univ.
- 9:45 AM These Aren't Your Father's Forages. Dr. Neal Martin, Director of USDA-ARS Dairy Forage Research Center Madison, WI.

**Break**
10:30 AM–11:00 AM
Penn Stater Conference Center, Presidents Hall 1

**Poster Session**
10:30 AM–11:00 AM
Penn Stater Conference Center, Presidents Hall 1

24 Salinity Effects on Seed Germination and Vegetative Growth of Greens-type Poa annua Relative to Other Cool-season Turfgrass Species. Jing Dai*, Max Schlossberg and David Huff, The Pennsylvania State University

25 Potato Characteristics that Influence Consumer Preference. John Jemison* Jr. and Peter Sexton, University of Maine

26 Heart Rate Variation: Does It Indicate Stress in Calves at Weaning?. W. M. Clapham*1, J. M. Fedders1, W. S. Swecker Jr.2, G. Scaglia2 and J. P. Fontenot2, (1)USDA-ARS, (2)Virginia Tech
Mild Winter Affects Ryegrass Production in Florida. Yoana C. Newman*, Ann Blount¹, Gordon Prine¹, Clyde Bateman¹, Edward Jennings² and Joseph Walter¹, (1) University of Florida–IFAS, (2) University of Florida – IFAS

Horse Pasture Evaluation: Collaboration between University of KY and Central KY Thoroughbred Farms. Tom Keene*, Joy Lourie and Ray Smith, Univ. of Kentucky

The Effect of a Multi-State Hay Contest on Increasing Hay Sampling and Improving Forage Quality. Randy Franks¹, John Andrae², Donald Ball¹, Ann Blount¹ and Dennis Hancock*¹, (1) University of Georgia, (2) Clemson University, (3) Auburn University, (4) North Florida Research & Education Center

Dry weather limited 2006 forage yields of small grains in southern Oklahoma. John A. Guretzky* and Jerry L. Baker, The Samuel Roberts Noble Foundation Inc.

Evaluation of Soybean Leaf Defoliation and Tolerance of Silver Spotted Skipper (Epargyreus clarus). William Wyant*, Bessie Green and Fawzy Hashem, UMES

Assessing On–farm Pasture Availability and Forage Quality for Dairy Feed Planning. Sidney C. Bosworth* and Mark Cannella, University of Vermont Department of Plant and Soil Science

AFGC Forage Spokesperson Program
11:00 AM–12:15 PM
Penn Stater Conference Center, Presidents Hall 4

Moderator: John Andrae, Clemson University

11:00 AM Todd Clark, Kentucky
11:15 AM Gary Reding, Indiana
11:30 AM Cliff Hawbaker, Pennsylvania
11:45 AM Curt Cline, Ohio
12:00 PM Coy Fitch, Louisiana

Corn and Grain Production
11:00 AM–12:30 PM
Penn Stater Conference Center, Room 205

Moderator: John Jemison, University of Maine

11:00 AM Seed-Applied Insecticides Inconsistently Affect Corn Silage in Continuous Corn. William J. Cox*, Elson Shields, Debbie Cherney and Jerry Cherney, Cornell Univ.
11:15 AM Impact of Transgenic Hybrids and Insecticides on Corn Silage Yield and Quality. Gregory Roth*, Pennsylvania State University, Robert Kratochvil, University of Maryland, Richard Taylor, University of Delaware and Wade Thomason, Virginia Tech
11:45 AM Developing Sources of Native Grasses for Revegetation in Florida, Part 2: Wetland Species. M. J. Williams, USDA, NRCS and Janet Grabowski*, USDA, NRCS, Brooksville Plant Materials Center
12:00 PM New and Future Improved Cool-Season Annual Legumes from Texas. Gerald Evers* and Gerald R. Smith, Texas Agric. Exp. Sta.

Forage Production and Education
11:00 AM–12:15 PM
Penn Stater Conference Center, Room 206

Moderator: Keith Diedrich, Ohio State Coop. Extn. Wayne County

11:00 AM Fertilization Effects on Bermudagrass Quality. William Anderson*, USDA-ARS and Myron Parker, Coastal Plain Experiment Sta.
11:15 AM Does Weeping Lovegrass Maintain Its Crude Protein Content at the Expense of Its Neighbors? Timothy Springer*, USDA-ARS
11:30 AM The Effects of feeding sericea lespedeza hay on growth rate of goats naturally infected with gastrointestinal nematodes. Danier A. Moore¹, Thomas H. Terrill*, Brou Kouakou¹, Shafi A. Shaik¹, Jorge A. Mosjidis², James E. Miller³, Manohar Vanguru¹, Govind Kannan¹ and Joan M. Burke⁴, (1) Fort Valley State University, (2) Auburn University, (3) Louisiana State University, (4) USDA/ARS/DBSFRC

12:00 PM Pay to Play: Charging for High Quality Educational Programs. Christopher Teutsch*, Virginia Tech and Butch Johns, Virginia Forage and Grassland Council

Buffet Lunch
12:30 PM–1:30 PM
Penn Stater Conference Center, Presidents Hall 2 & 3
Tickets Required

Silent Auction Closes
1:30 PM

Producer Session
1:30 PM–2:30 PM
Penn Stater Conference Center, Presidents Hall 4
Moderator: John Sellers, Iowa Forage Producer
1:30 PM Can You Use Carbon Credits to Boost Your Farm Income? Nathan Clark, Chicago Climate Exchange.
2:15 PM What's Up with Organic Agriculture? Erin James, Director of Pennsylvania Certified Organic

Forage Production and Management
1:30 PM–3:00 PM
Penn Stater Conference Center, Room 205
Moderator: Edward Rayburn, West Virginia Univ.
1:30 PM Grazing Management Effects on Forage Mass and Composition and Ground Cover within Riparian Pastures. Mathew M. Haan*, Jim Russell and Dan Morrical, Iowa State Univ
1:45 PM Impact of the Arkansas Reducing Winter Feed Costs Demonstration Program. John Jennings*, Shane Gadberry, Tom Troxel, Chuck West and Rex Dollar, University of Arkansas
2:15 PM Effect Of Seeding Rate And Nitrogen Fertilization Rate On Productivity Of Annual Ryegrass. Wink Alison*, LSU Agricultural Center
2:30 PM Examining the Range Wherein Vegetative Indices Are Related to Alfalfa Yield. Dennis Hancock*, University of Georgia and Charles T. Dougherty, University of Kentucky
2:45 PM Bioenergy and Dairy Farming in NY. Jerry Cherney*, Peter Woodbury, Steve DeGloria and Debbie Cherney, Cornell Univ.

Nutrient Management of Pastures
1:30 PM–3:00 PM
Penn Stater Conference Center, Room 206
Moderator: NRCS-GLCI

Break
3:00 PM–3:00 PM
Penn Stater Conference Center, Presidents Hall 1
Results of Silent Auction Posted. Please pay and pickup items at registration area.

Poster Session
3:00 PM–3:30 PM
Penn Stater Conference Center, Presidents Hall 1
34 Estimate Market Value of Tested Forages with Cornell FORVAL (2007) on the Internet. Peng Li, University of Kentucky and Gary Fick*, Cornell University
Critical Period for Weed Control in Conventionally Established Glyphosate-resistant Alfalfa. Bryan Dillehay*, William Curran1, David Mortensen2 and Marvin H. Hall1, (1)Pennsylvania State Univ., (2)Penn State University

Row Spacing Effect on Alfalfa Stand Density and Yield. Vance Owens*, South Dakota State University

Effect of source and rate of nitrogen application on dry matter yield of bermudagrass. Brandon Stewart*, University of Arkansas, Paul A. Beck, University of Arkansas Southwest Research & Extension Center, J. Mike Phillips, Morehead State University and Larry Murphy, Fluid Fertilizer Foundation


Evaluating Cool Season Grasses for Intensive Grazing Success. Gary W. Wilson*, OSU Extension

Yield of Eastern Gamagrass With and Without Switchgrass and Big Bluestem. Paul R. Salon*, Martin vander Grinten and Tim Elder, USDA-NRCS

Determination of Fat-soluble Vitamin Concentrations in Ground Beef from Cattle Fed on Pasture and Stored Feeds. Amy Lassen*, Heather D. Karsten and Douglas D. Archibald, Department of Crop and Soil Sciences


Adjourn for Producers
3:30 PM

Exhibit Area Closes
3:30 PM–3:30 PM
Posters/Hay Show/Photo Contest Close
Authors please remove your posters!

Northeastern Branch ASA-CSSA-SSSA Business Meeting
3:30 PM–4:30 PM
Penn Stater Conference Center, Room 205

AFGC Affiliate Council Meeting
3:30 PM–4:30 PM
Penn Stater Conference Center, Room 206

Registration Closes
4:30 PM

AFGC Business Meeting
4:30 PM–5:30 PM
Penn Stater Conference Center, Room 206

AFGC Past Presidents Reception
5:30 PM
Invitation Only

Social Hour/Cash Bar
5:30 PM–6:30 PM
Penn Stater Conference Center, Presidents Hall 1 Foyer

Joint AFGC & NEBCSA Banquet
6:30 PM–6:30 PM
Penn Stater Conference Center, Presidents Hall 2 & 3
Tickets Required
Wednesday, 27 June 2007

**NEBCSA Board of Directors**
8:00 AM–12:00 PM
Penn Stater Conference Center, Room 104

**AFGC Board of Directors**
8:00 AM–12:00 PM
Penn Stater Conference Center, Room 105

**CCA Research Tour**
8:00 AM–8:00 AM
Penn State Agronomy Farm

*Moderator: Janis Pruss, Pennsylvania State Univ.*