SOUTHERN SECTION
American Society of Animal Science

ANNUAL MEETING

February 2-5, 2013
Orlando, Florida

In conjunction with the 2013 Annual Convention of the Southern Association of Agricultural Scientists

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Boehringer Ingelheim, Vetmedica Division
St. Joseph, MO

**Young Animal Scientist – Education**
Alltech
Thomasville, GA

**Undergraduate Paper Competition**

**Graduate Student Research Abstract Competition**
PROGRAM EVENTS
All events will take place at the Wyndham Orlando Resort, unless otherwise noted.

Friday, February 1
Academic Quadrathlon (AQ)
9:00 PM Advisors Meeting
   Cabot Lodge
   Gainesville, FL

Saturday, February 2
AQ Lab Practicum and Written Exam
   University of Florida
   Gainesville, FL

Sunday, February 3
AQ Oral Preparation
   6:30 AM–noon
   Biscayne, Cedar, Longboat, Siesta

AQ Oral Presentation
   8:00 AM–Noon
   Marathon

AQ Quiz Bowl
   8:00 AM–1:00 PM
   Largo

AQ Quiz Bowl Championship/Awards and Awards Program
   8:00 AM–4:00 PM
   Tangerine A

SCC 81: Sustainable Small Ruminant Production IEG
   8:30 AM–4:00 PM
   Palms Ballroom Salon H

   Registration
   11:00 AM–4:00 PM
   Key Rooms Foyer
SERA 41: Beef Cattle Production Using Forages in the Southeast
1:00 PM–4:00 PM
Marathon

SAAS Board Meeting
2:30 PM–3:30 PM
Palms Ballroom Salon C

SAAS Business Meeting
4:00 PM–4:30 PM
Jasmine

SAAS Graduate Student Mixer
4:00 PM
Poolside Pavilion

SS-ASAS Advisory Committee and Executive Committee
6:00 PM–8:00 PM
Executive Boardroom

SAAS Reception/Super Bowl Party
5:30 PM–10:00 PM
NASCAR Sports Grille (NBC Universal)
- Offsite
(Continuous Bus Shuttle will start at 5 PM)
Monday, February 4

Interested in taking the ARPAS exam at the ASAS Southern Section meeting?
Contact ARPAS at arpas@assochq.org for information or to schedule an exam.

Registration
7:30 AM–4:00 PM
Key Rooms Foyer

SS-ASAS Coffee Break
9:30 AM–10:30 AM

SS-ASAS Business Meeting and Awards Ceremony
5:00 PM–7:00 PM
Tangerine A

Small Ruminant Subcommittee of the NAGP
7:00 PM–9:15 PM
Largo

Tuesday, February 5

SAAS Board Breakfast Meeting
7:00 AM–10:00 AM
Azalea A/B

Registration
8:00 AM–Noon
Key Rooms Foyer

Graduate Student Lunch and Learn
Noon–2:00 PM
Siesta/Biscayne

Extension Luncheon
Noon–2:00 PM
Orange
SYMPOSIA AND ORAL SESSIONS

Monday, February 4

Adapting Southern U.S. Beef Production Systems to a Changing Climate

Chair: Jeff Lehmkuhler, University of Kentucky
Marathon

8:00 AM
Introduction
J. Lehmkuhler*, University of Kentucky, Lexington.

8:15 AM
Climate Change and Its Impact on Agriculture.
B. Ortiz*, Auburn University, Auburn, AL.

8:55 AM
Managing Reproduction During Heat Stress.
P.J. Hansen*, University of Florida, Gainesville.

9:35 AM
Break

9:55 AM
Forage Systems for a Changing Climate.
R. Smith, Jr.*, University of Kentucky, Lexington.

10:35 AM
Genetic Selection for Heat Stress Related Traits.
J. Cassady*, North Carolina State University, Raleigh.

Undergraduate Student Competition

Chair: Rhonda K. Miller, Texas A&M University
Largo

9:00 AM
Hypothalamic and Pituitary Gene Expression in Angus-Sired Steers Selected for Low and High Residual Feed Intake During Conditions of Heat Stress
S. D. Perkins 1,*, C. N. Key 1, C. F. Garrett 1, C. D. Foradori 2, C. L. Bratcher 1, L. A. Kriese-Anderson 1, T. D. Brandebourg 1, 1Animal Sciences, 2Anatomy Physiology & Pharmacology, Auburn University, Auburn, AL.
9:15 AM
Leptin is Involved in the Vascularization of the Corpus Luteum
A. Arellano1,*, L. Ayala1, M. Ramirez1, A. Calderon1, R. Flores1, D. Keisler2, R. Stanko1, M. Garcia1, 1Animal, Rangeland & Wildlife Sciences, Texas A&M University, Kingsville, 2Division of Animal Science, University of Missouri, Columbia.

9:30 AM
Characterizing the Growth and Metabolic Phenotype of the Obese Mangalica Pig
C. F. Garrett1,*, S. D. Perkins1, R. H. Amin2, C. L. Bratcher1, J. L. Bartosh1, T. D. Brandebourg1, 1Animal Sciences, 2Pharmacal Sciences, Auburn University, Auburn, AL.

9:45 AM
Relationship of Prenatal Transportation Stress with Postnatal Temperament of Brahman Calves
B. P. Littlejohn1,2,*, D. M. Price1,2, A. W. Lewis2, D. A. Neuendorff2, J. A. Carroll3, R. C. Vann4, T. H. Welsh, Jr.1,5, R. D. Randel2, 1Animal Science, Texas A&M University, College Station, 2Texas A&M AgriLife Research, Texas A&M University System, Overton, 3Livestock Issues Research Unit, USDA-ARS, Lubbock, TX 4MAFES- Brown Loam, Mississippi State University, Raymond, 5Texas A&M AgriLife Research, Texas A&M University System, College Station.

10:00 AM
Investigating the Population Structure and Genetic Diversity of Angus Cattle
R. A. Lemcke1,*, R. Zanella1,2, K. C. Caires1, 1Department of Animal Science, Berry College, Mount Berry, GA, 2Genética e Melhoramento Animal, Embrapa Suínos e Aves, Concórdia, SC, Brazil.

Graduate Student Competition
Chair: Michelle R. Garcia, Texas A&M University - Kingsville
Tangerine A

9:00 AM
Replacing Corn with Brewers Rice in Swine Diets and Effect on Performance and Carcass Quality of Growing-Finishing Pigs
T. Dokes1, O. Gekara1, Agriculture, University of Arkansas, Pine Bluff.

9:15 AM
Analysis of Quality of Non-Traditional vs. Traditional Beef Grind Material
S. Degeer1, D. A. Tigue, C. Bratcher, Animal Sciences, Auburn University, Auburn, AL.
9:30 AM  
**Effects of Mannan Oligosaccharide on Beef Cow Performance and Passive Immunity Transfer to Calves**  
S. K. Linneen, G. L. Mourer, J. D. Sparks, D. L. Lalman, Animal Science, Oklahoma State University, Stillwater.

9:45 AM  
**Effect of Lactic Acid Enhancement pH on Beef Quality Attributes of Bull Strip Loins**  

10:00 AM  
**Sensory Evaluation of Non-Traditional Vs. Traditional Beef Grind Sources**  
D. A. Tigue, S. L. Degeer, C. L. Bratcher, Department of Animal Sciences, Auburn University, Auburn, AL.

10:15 AM  
Break

10:30 AM  
**Effects of Bale Feeder Type and Supplementation of Monensin on Hay Waste, Intake, and Performance of Beef Cattle**  

10:45 AM  
**Effects of Increasing Metabolizable Protein Supply on the Acute Phase Response of Beef Steers Following Vaccination**  

11:00 AM  
**Estrous Response and Pregnancy Rates in Beef Cows Following a 6- or 7-Day CIDR Synchronization Protocol**  

11:15 AM  
**Sericea Lespedeza as an Aid in the Control of Eimeria Spp. in Lambs**  
M. Acharya, J. M. Burke, J. Miller, T. Terrill, A. Mosjidis, Animal Science, University of Arkansas, Fayetteville, AR, USDA, Agricultural Research Service, Booneville, AR, Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Agricultural Research Station, Fort Valley State University, Fort Valley, GA, Department of Agronomy and Soils, Auburn University, Auburn, AL.
11:30 AM  15
Glycolytic Enzymes Are Reversibly Inactivated by Decreased pH in Postmortem Skeletal Muscle

Teaching and Undergraduate Education

Chair: Rhonda K. Miller, Texas A&M University
Largo

11:00 AM  16
Developing a Curriculum Addressing Legal Issues in Animal Agriculture
E. Rumley, Animal Science, University of Arkansas, Fayetteville.

11:15 AM  17
Preparing to Teach an “Inherited” Animal Science Course.
D. K. Aaron*, Animal and Food Science, University of Kentucky, Lexington.

Breeding and Genetics

Chair: Trent Smith, Mississippi State University
Marathon

1:00 PM  18
Milk Production Traits of Beef Cows as Affected by Horn Fly Numbers and Breed Type
A. Mays 1,*, M. A. Brown 2, S. M. Clifton 3, C. F. Rosenkranz, Jr. 1, 1Animal Science, University of Arkansas, Fayetteville, AR, 2Grazinglands Research Laboratory, USDA-ARS, El Reno, OK, 3Animal Science, Oklahoma State University, Stillwater, OK.

1:15 PM  19
Estimation of Genetic Parameters in Berkshire Population Reared in a Hoop Structure
S.-H. Oh*, Dept. of Animal Sciences, North Carolina A&T State University, Greensboro.

1:30 PM  20
Influence of Body-Weight of Cows on Weaning Weight of Calves in Two Lines of Angus Cattle in Alabama
D. Kuhlers 1,*, K. Nadarajah 1, G. L. Thompson 2, B. E. Norris 3, H. E. Harkins 3, 1Animal Sciences, Auburn University, Auburn, AL, 2Regional Office, Alabama Cooperative Extension, 3Experiment Station, Tennessee Valley Research and Extension Center, Belle Mina.
Eye Pigmentation in Hereford, Hereford X Bos Taurus or Hereford X Bos Indicus Cows and Calves
K. Davis 1,2, T. Smith 2, J. D. Arthington 3, N. DiLorenzo 4, B. Bolt 5, M. D. Garcia 6, J. G. Powell 7, D. L. Lalman 8, G. R. Hansen 9, R. C. Vann 10, S. Meadows 11, D. G. Riley 1, 1Department of Animal Science, Texas A&M University, College Station, 2Department of Animal and Dairy Sciences, Mississippi State University, Starkville, 3Range Cattle Research and Education Center, University of Florida, Ona, 4North Florida Research and Education Center, University of Florida, Marianna, 5Department of Animal and Veterinary Science, Clemson University, Clemson, SC, 6Department of Animal Sciences, Louisiana State University, Baton Rouge, 7Department of Animal Science, University of Arkansas, Fayetteville, 8Department of Animal Science, Oklahoma State University, Stillwater, 9Department of Animal Science, North Carolina State University, Plymouth, 10MAFES-Brown Loam, Mississippi State University, Raymond, 11Cooperative Extension Service, Clemson University, Clemson, SC.

Balking Behavior in Cattle: Breed-Type Predominance Based on Coat Color and Carcass Implications
M. L. Thomas 1,2, Y. V. Thaxton 2, A. H. Brown, Jr 1, K. E. Pfalzgraf 1, K. S. Anschutz 1, C. F. Rosenkrans, Jr 1, 1Animal Science, 2Center for Food Animal Wellbeing, University of Arkansas, Fayetteville.

Evaluation of a Hair Coat Scoring System for Winter Growth and Relationship to Performance of Angus Dams
S. Plank 1,2, N. B. Simmons 1, M. L. Marks 1, S. T. Willard 1, T. Smith 1, 1Animal and Dairy Sciences, 2Biochemistry and Molecular Biology, Mississippi State University, Starkville.

Relationship of Heifer Pubertal Status to LDHB Single Nucleotide Polymorphisms
C. Turner 1,2, A. H. Brown 1, D. Hallford 2, B. R. Lindsey 1, J. L. Reynolds 1, J. G. Powell 1, C. F. Rosenkrans 1, 1Division of Agriculture, University of Arkansas, Fayetteville, 2Animal and Range Sciences, New Mexico State University, Las Cruces.

Association of Newborn Calf Cannon Bone Length with Preselected SNP Chosen Based on Proximity to Genes with Suspected Influence
D. G. Riley 1, T. H. Welsh, C. A. Gill, L. L. Hulsman, A. D. Herring, P. K. Riggs, J. E. Sawyer, J. O. Sanders, Animal Science, Texas A&M University, College Station.
3:15 PM 26
**Effect of Genetic Markers for Marbling on Performance in Angus Females**

3:30 PM 27
**Single Nucleotide Polymorphisms of LDHB and Effects on Immune Response**

**Meat Science**

**Chair:** Chad Carr, University of Florida

Hibiscus

1:00 PM 28
**Consumer Acceptability of Commercially-Available Domestic Grass-Fed and Grain-Fed Beef**

1:15 PM 29
**Feeding a Commercially-Available By-Product Ration Increases Value of Culled Cows**

1:30 PM 30
**Effect of Packaging Type, Storage Time and Temperature and the Effect of Steak Location on Palatability of Center Cut Gluteus Medius**

1:45 PM 31
**Effect of Packaging Type, Storage Time and Temperature on the Beef Longissimus Lumborum and Triceps Brachii Muscles**

2:00 PM 32
**Metabolic Profiling of Ground Beef Samples from Various Grind Sources and Correlation to Sensory Evaluation**
T. Jiang*, Animal Sciences, Auburn University, Auburn, AL.

2:15 PM 33
**Oxidative Stability During Ripening and Storage of Rosemary Treated Fermented Lamb Sausages**
G. Davila El Rassi*, A. Al-Sakini, V. Banskalieva, A. Lathrop, T. Bowser, *Food and Agricultural Products Center, Oklahoma State University, Stillwater.*
Ruminant Animal Production I

Chair: Russell B. Muntifering, Auburn University
Largo

1:00 PM  34
Application of Fecal Near Infrared Reflectance Spectroscopy Profiling to Predict Voluntary Intake in Beef Cattle
J. Johnson 1, G. Carstens 1, A. Hafla 1, S. Prince 2, D. Forbes 3, K. Ominski 4, K. Wittenberg 4, M. Undi 4, D. Tolleson 5, 1Department of Animal Science, Texas A&M University, College Station, 2Department of Rangeland Ecology, Texas Agrilife Research, Temple, 3Department of Rangeland Ecology, Texas Agrilife Research, Uvalde, 4Department of Animal Science, University Of Manitoba, Winnipeg, Canada, 5Department of Natural Resources and the Environment, University of Arizona, Camp Verde.

1:15 PM  35
Effect of Early Weaning and Diet on Age at Puberty in Bos Indicus Influenced Heifers
L. Ayala 1, A. Calderon 1, F. Xie 1, M. A. Ramirez 1, A. Arellano 1, M. R. Garcia 1, R. L. Stanko 1, 2, 1Animal, Rangeland, & Wildlife Sciences, Texas A&M University, Kingsville, 2Animal Reproduction Laboratory, Texas A&M AgriLife Research, Beeville.

1:30 PM  36
Residual Feed Intake and Body Weight Gain and Its Relationships with Carcass, Non Carcass Characteristics and Meat Quality of Nellore Steers
M. Lopes Do Nascimento 1, A. Saturnino Chaves 1, A. R. Duarte Lopes Souza 2, R. R. Tullio 1, M. Mello de Alencar 4, G. Carstens 5, D. Pazzanese Duarte Lanna 1, 1Animal Science, University of Sao Paulo, Piracicaba, Brazil, 2Animal Science, Universidade Federal Rural de Pernambuco, Recife, Brazil, 3Animal Nutrition, 4Animal Breedings, Embrapa Pecuaria Sudeste, São Carlos, Brazil, 5Animal Science, Texas A&M, College Station.

1:45 PM  37
Crude Glycerin Decreases Production and Quality of Particle-Associated Bacteria from Bovine Ruminal Content
E. H. C. B. Van Cleef 1, J. M. B. Ezequiel 2, A. C. Homen Junior 2, F. B. O. Scarpino 2, 1Animal Science and Industry, Kansas State University, Manhattan, 2Animal Science, São Paulo State University, Jaboticabal, Brazil.

2:00 PM  38
Effect of Stocking Density on Cattle Behavior During Transport
L. L. Jury 1, J. A. Parish 1, R. C. Vann 1, T. Smith 1, J. K. Ward 2, H. T. Boland 1, 1Animal and Dairy Sciences, 2Agricultural and Biological Engineering, Mississippi State University, Mississippi State.
Tuesday, February 5

Pastures and Forages

Chair: Guillermo Scaglia, LSU AgCenter
Palms Ballroom C

8:00 AM  39
Sward Responses of Rhizoma Peanut Genotypes Under a Range of Grazing Management Strategies
K. Mullenix 1,*, L. Sollenberger 1, D. Rowland 1, A. Blount 1, J. Vendramini 1, M. Silveira 2, A. Vaccaro 1, 1Agronomy, 2Soil Science, University of Florida, Gainesville.

8:15 AM  40
Animal Preference for Winter Annual Legumes Overseeded Into Bermudagrass Pastures over Two Growing Seasons
S. Freeman *, M. Poore, A. Shaeffer, Animal Science, North Carolina State University, Raleigh.

8:30 AM  41
Evaluation of Early Weaned Beef Calves Grazing Annual Ryegrass or Annual Ryegrass-Triticale Mixtures in South Florida
J. M. Vendramini 1,*, J. D. Arthington 1, A. Blount 2, A. D. Aguiar 1, P. Moriel 1, R. S. Hallworth 1, 1UF/IFAS Range Cattle Research and Education Center, University of Florida, Ona, 2UF/IFAS North Florida Research and Education Center, University of Florida, Marianna.

8:45 AM  42
Grazing Behavior of Heifers Grazing Mixed, Adjacent or Monoculture Pastures of Ryegrass and Clovers
G. Scaglia 1,*, H. T. Boland 2, 1Iberia Research Station, LSU AgCenter, Jeanerette, 2Prairie Unit, Mississippi State University, Prairie.

9:00 AM  43
Additivity of Stacked Technologies in Stocker Cattle
R. Reuter 1,*, D. Dhuyvetter 2, D. Hufstedler 3, 1Agriculture Division, The Noble Foundation, Ardmore, OK, 2Research Dept., Ridley, Inc., Mankato, MN, 3Technical Services, Elanco Animal Health, Guthrie, OK.

9:15 AM  44
Forage Productivity, Phosphorus Uptake and Soil Phosphatase Activity in a Cool-Season Pasture as Influenced by Nitrogen Fertilization
S. L. Dillard 1,*, W. F. Owsley 1, C. W. Wood 2, B. H. Wood 2, C. J. Weissend 1, R. B. Muntifering 1, 1Animal Sciences, 2Agronomy and Soils, Auburn University, Auburn University.

9:30 AM  Break
9:45 AM  45
Effect of Grazing Legume or Grass Forages with or without Corn Supplementation on Animal Performance and Meat Quality of Forage-Finished Beef
A. Wright¹, J. Andrae, M. Miller, P. Gunter, C. Rosso, E. Pavan, S. Duckett Animal and Veterinary Sciences, Clemson University, Clemson.

10:00 AM  46
Proteolysis Inhibiting Polyphenol Oxidase Present in Perennial Peanut

10:15 AM  47
Level of Forage Allocation and Protein Tubs Influence Forage Utilization and Pasture Productivity in Heifers Grazing Stockpiled Tall Fescue
M. H. Poore¹,*, A. D. Shaeffer¹, S. R. Freeman¹, D. H. Poole¹, G. R. Hansen¹, M. L. Alley¹, C. S. Whisnant¹, M. E. Drewnoski², Animal Science, North Carolina State University, Raleigh, ²Animal Science, University of Idaho, Moscow.

10:30 AM  48
Effect of Cow-Size and Stocking Rate on Calf Growth, Hay Requirements and Cow Herd Efficiency
P. Beck¹,*, B. Stewart², H. Gray², S. Gadberry³, ¹Department of Animal Science, ²SWREC, University of Arkansas, Hope, ³Cooperative Extension Service, University of Arkansas, Little Rock.

10:45 AM  49
Toxic Tall Fescue Exposure Timing Negatively Affects Reproductive Success in Two and Three Year Old Beef Cows
M. G. Burns¹, J. G. Andrae²,*, M. C. Miller¹, F. N. Schrick³, S. L. Pratt¹, ¹Dept. of Animal and Vet Science, ²School of Ag Forestry and Environmental Sciences, Clemson University, Clemson, SC, ³Dept of Animal Science, University of Tennessee, Knoxville.

11:00 AM  50
Feeding Ergot Alkaloids to Gestating Ewes Reduces Lamb Weight, Organ Size and Muscle Mass
S. K. Duckett¹,*, T. A. Burns¹, M. C. Miller¹, K. J. Mercer¹, M. G. Burns¹, J. G. Andrae¹, F. N. Schrick², S. L. Pratt¹, Animal and Veterinary Sciences, Clemson University, Clemson, SC, Animal Science, University of Tennessee, Knoxville.
Physiology

Chair: Mark J. Estienne, Virginia Tech
Tidewater AREC
Tangerine A

8:00 AM 51
Emerging Young Scholar: Effect of Ergot Alkaloids from Endophyte-Infected Tall Fescue on Ruminal Vasculature, Blood Flow, and Nutrient Absorption
A. P. Foote*, University of Kentucky, Lexington.

8:30 AM 52
Emerging Young Scholar: Characterization of the Interactions between Porcine Reproductive and Respiratory Syndrome Virus and Its Intracellular Environment
J. Hicks, North Carolina State University, Raleigh.

9:00 AM 53
Does Sex of Littermate Affect Reproductive Performance of Ewes?
J. A. Brown 1, D. P. Kirschten 2, G. S. Lewis 2,
1Department of Biology, Wingate University, Wingate, NC, 2USDA, Agricultural Research Service, U.S. Sheep Experiment Station, Dubois, ID.

9:15 AM 54
Effect of Dietary Menhaden Fish Oil (MFO) on Growth Performance in Gilts Farrowed by Sows Fed Gestation and Lactation Diets with or without MFO

9:45 AM 55
Break

10:00 AM 56
Prenatal Transportation and Immune Indices in Neonatal and Growing Brahman Calves
D. M. Price 1, 2*, B. P. Littlejohn 1, 4, D. Neuendorff 2, A. W. Lewis 3, N. C. Burdick Sanchez 5, J. A. Carroll 3, R. C. Vann 6, S. D. Lawhon 5, T. H. Welsh, Jr. 1, R. D. Randel 2, 1Animal Science, Texas A&M University, College Station, 2Texas A&M Agrilife Research, Texas A&M University System, Overton, 3Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 4MAFES-Brown Loam, Mississippi State University, Raymond, 5Veterinary Pathobiology, Texas A&M University, College Station.
10:15 AM 57
Changes in Immune Indices in Response to Primary Vaccination in Weaned Brahman Calves Exposed to Prenatal Transportation
N. C. Burdick Sanchez 1,*, D. M. Price 2, J. A. Carroll 1, B. P. Littlejohn 4, D. A. Neuendorff 4, A. W. Lewis 2, R. C. Vann 3, S. D. Lawhon 4, T. H. Welsh, Jr. 1, R. D. Randel 1, 1Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 2Texas A&M AgriLife Research, Texas A&M University, Overton, 3MAFES-Brown Loam, Mississippi State University, Raymond, 4Texas A&M AgriLife Research, Texas A&M University, College Station.

10:30 AM 58
Circulating Concentrations of NEFAS as Mediators of the Innate Immune Response in Cattle
N. C. Burdick Sanchez 1,*, J. A. Carroll 1, J. R. Donaldson 2, J. O. Buntyn 3, T. B. Schmidt 4, 1Livestock Issues Research Unit, USDA-ARS, Lubbock, 2Department of Biological Sciences, Mississippi State University, Mississippi State, 3Department of Animal and Dairy Sciences, Mississippi State University, Mississippi State, 4Department of Animal Science, University of Nebraska, Lincoln.

10:45 AM 59
National Pork Board Swine Industry Award for Innovation: Novel Use of Lipid-Producing Bacteria to Increase Circulating Triglycerides in Swine
J. R. Donaldson 1,*, J. A. Carroll 2, T. B. Schmidt 3, T. R. Callaway 4, J. Grissett 1, N. C. Burdick Sanchez 2, 1Biological Sciences, Mississippi State University, Mississippi State, 2Livestock Issues Research Unit, USDA-ARS, Lubbock, TX, 3Animal Sciences, University of Nebraska, Lincoln, 4Food and Feed Safety Research Unit, USDA-ARS, College Station.

Extension I

Chair: Jeffrey W. Lehmkuhler, University of Kentucky Largo

9:00 AM 60
Efficacy of Concurrent Use of Fenbendazole and Ivermectin versus Ivermectin Alone on Parasite Egg Count and Performance of Beef Steers
R. S. Wells*, R. Reuter, Agriculture, Noble Foundation, Ardmore, OK.
9:15 AM  61
Effect of Injection Site Protocol on Efficacy of a Modified-Live Virus Respiratory Vaccine and Injectable Anthelmintic Administered to Beef Cattle
J. G. Powell 1,*, J. T. Richeson 2, E. B. Kegley 1, J. L. Reynolds 1, J. A. Hornsby 1 1Department of Animal Science, University of Arkansas, Fayetteville, 2Department of Agricultural Sciences, West Texas A & M University, Canyon.

9:30 AM  62
Characteristics of Drought Stressed Corn Silage
J. Lehmkuhler 1,*, W. Burris 1, C. Lee 2, 1Animal and Food Sciences, 2Plant and Soil Sciences, University of Kentucky, Lexington.

9:45 AM  63
Southern Carcass Improvement Project
T. Brink 1,*, M. Gardiner 2, L. Corah 3, 1Vice President, J&F Oklahoma Holdings, Inc., Greeley, OK, 2Owner, Gardiner Angus Ranch, Ashland, KS, 3Animal Science, Kansas State University, Manhattan.

10:00 AM  Break

10:15 AM  64
Population and Price Differences for Sale Barn Marketed Calves in 2000, 2005, and 2010 due to Genetically Influenced Phenotype
M. S. Gadberry 1, T. R. Troxel, Animal Science, University of Arkansas, Little Rock.

10:30 AM  65

10:45 AM  66
The Southeast Cattle Advisor: an Integrated Educational Program

11:00 AM  67
The Kentucky Beef Leadership Program: Empowering Industry Leaders to Shape Educational Programming
L. Anderson 1,*, K. D. Bullock 1, J. W. Lehmkuhler 1, W. R. Burris 1, 1Animal & Food Science, University of Kentucky, Lexington, 2Animal & Food Science, University of Kentucky, Princeton.
Deep South Stocker Conference: Multi-State Extension Programming for Stocker Cattle Operators across the Southeast

B. B. Karisch 1, L. L. Jury 1, J. A. Parish 1, R. L. Stewart 2, D. Rankins, Jr. 3, 1Animal and Dairy Science Department, Mississippi State University, Mississippi State, 2Animal Science, University of Georgia, Athens, 3Animal Science, Auburn University, Auburn, AL.

Small Ruminant Production

Chair: Kenneth M. Andries, Kentucky State University
Palms Ballroom D

9:00 AM 69
Parasite Management Practices and Anthelmintic Resistance in Alpaca Herds in the Mid-Atlantic Region - a Survey
S. Wildeus 1, A. Zajac 2, 1Agricultural Research Station, Virginia State University, Petersburg,
2Department of Biomedical Sciences & Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg.

9:15 AM 70
Gastro-Intestinal Parasitic Infestation in Bucks on Performance Test and Its Relationships with Production Traits
K. Nadarajah 1, S. Schoenian 2, M. Penick 3, D. L. Kuhlers 1, 1Animal Sciences, Auburn University, Auburn, AL 2Extension Office, University of Maryland, Keedysville, 3Livestock Division, Kerr Center, Poteau, OK.

9:30 AM 71
Sericea Lespedeza Alters Trace Mineral Status of Lambs and Haemonchus Contortus
J. Burke 1, J. Miller 2, T. Terrill 3, M. Acharya 4, S. Orlik 2, J. Garza 2, 1USDA, ARS, Booneville, 2School of Veterinary Medicine, LSU, Baton Rouge,
3Agricultural Research Station, FVSU, Fort Valley, GA, 4Animal Science, University of Arkansas, Fayetteville.

9:45 AM 72
Sericea Lespedeza Affects Serum Concentrations of Trace Minerals in Small Ruminants
J. Burke 1, J. Miller 3, T. Terrill 3, S. Orlik 2, J. Garza 2, 1USDA, ARS, Booneville, 2School of Veterinary Medicine, LSU, Baton Rouge,
3Agricultural Research Station, FVSU, Fort Valley, GA.

10:00 AM 73
Evaluation of Producer Submitted Meat Goat Performance Data
K. Andries , Food and Animal Science, Kentucky State University, Frankfort.

10:15 AM Break
10:30 AM 74
**Summer Annual Grasses for Meat Goats**

10:45 AM 75
**Fatty Acid Profile and Lipid Oxidation of Meat Goat Fed Varying Levels of Pine Bark**
B. R. Min, S. Solaiman, N. Gurung, E. Taha, *Animal and Poultry science, Tuskegee University, Tuskegee, AL.*

11:00 AM 76
**Corn Gluten Feed Supplementation Effects on Growth and Intake in Hair Sheep Lambs Fed Hay-Based Diets**
S. Wildeus 1,*, C. D. Teutsch 2, *Agricultural Research Station, Virginia State University, Petersburg, 2Southern Piedmont Agricultural Research and Extension Center, Virginia Tech, Blackstone.*

11:15 AM 77
**Residual Frying Oil Reduces Fiber Digestibility of Feedlot Sheep**
F. B. O. Scarpino 1,*, J. M. B. Ezequiel 1, E. H. C. B. van Cleef 2, *Animal Science, São Paulo State University, Jaboticabal, Brazil, 2Animal Science and Industry, Kansas State University, Manhattan.*

**Ruminant Animal Production II**

Chair: Russell B. Muntifering, Auburn University
Tangerine A

1:00 PM 78
**Impact of Protein Supplementation and/or Increased Forage Allowance on Growth and Reproductive Performance of Replacement Heifers**
D. H. Poole 1,*, A. Shaeffer 1, S. Freeman 1, G. Hansen 1, M. Alley 2, S. Whisnant 1, M. Poore 1, 1Animal Science, 2Population Health and Pathobiology, North Carolina State University, Raleigh.

1:15 PM 79
**Effect of Supplement Level on Adaptation to Dried Distillers Grains in a Round Bale Silage Based Diet for Beef Steers**

1:30 PM 80
**Effects of Different Calf Management Systems Following Early-Weaning on Growth Performance of Beef Calves**
1:45 PM  81
Evaluation of High Moisture and Dry Feed Both with and without Hay Fed to Weaned Calves Subjected to Transportation Shrink.
D. Rankins, Jr., J. Starnes*, Animal Sciences, Auburn University, Auburn, AL.

2:00 PM  82
Effects of Copper Oxide Bolus Administration on Productivity and Copper Status in Grazing Beef Calves Supplemented with Dried Distillers Grains

2:15 PM  83
Finishing Steers with Corn or Soybean Hulls on Ryegrass Pastures

2:30 PM  84
The Effects of Stocker-Phase Implant Strategies on Subsequent Feedlot Performance and Carcass Characteristics
D. O. Alkire*, R. R. Reuter, Agricultural Division, The Samuel Roberts Noble Foundation, Ardmore, OK.

Extension II

Chair: Jeffrey W. Lehmkuhler, University of Kentucky Largo

2:00 PM  85
Misconceptions that Lead to Straightbreeding in Commercial Beef Cattle Operations
D. Bullock, L. Anderson, J. Lehmkuhler, R. Burris, Animal and Food Sciences, University of Kentucky, Lexington.

2:15 PM  86
Performance of Beef Calves Fed Supplements Containing Glycerin
R. Burris*, J. Lehmkuhler, J. Randolph, Animal and Food Sciences, University of Kentucky, Princeton.

2:30 PM  87
The Junior Beef Excellence Program and Comparison of Carcass Characteristics from Southern Oklahoma Show Steers versus the Commercial Beef Industry
B. Nichols, R. Reuter*, F. Schmedt, S. Ingram, L. McDaniel, Agriculture Division, The Samuel Roberts Noble Foundation, Oklahoma Cooperative Extension Service, Oklahoma State University, Ardmore, OK.
2:45 PM 88
Beef Cattle Herd Health and Operation Facilities Interactive Video Short Courses
J. A. Parish 1, B. B. Karisch 1, C. L. Huston 2, S. Hankins 3, L. L. Jury 1, 1Animal and Dairy Sciences, 2College of Veterinary Medicine, 3Extension Center for Technology Outreach, Mississippi State University, Mississippi State.

3:00 PM 89
Hands-On Workshops Spark Interest in North Carolina Beef Producers

3:15 PM 90
Impact of a Wild Game Safety and Processing Program on Attendee Food Safety, Quality, and Processing Knowledge
D. Griffing 1, M. Cheshire 1, S. Talley 2, C. Carr 1, D. Johnson 1, L. Eubanks 1, 1Animal Sciences, University of Florida, Gainesville, 2Florida Fish and Wildlife Conservation Commission, Florida Fish and Wildlife Conservation Commission, Tallahassee.