



2019 AFGC Annual Meeting Agenda

January 6-9, 2019—St. Louis, MO

“Forages Yesterday, Today, and Tomorrow”



January 6, 2019—Sunday

| | |
|----------------|----------------------------------------------------------------|
| 11:00am-1:30pm | AFGC Board of Directors Meeting |
| 1:30pm-5:00pm | Exhibitor Set Up, Silent Auction Set Up & Monday Poster Set Up |
| 1:30pm-5:00pm | Registration Open |
| 3:30pm-5:30pm | NIRS Consortium Workshop |
| | 1. Alfalfa Workshop |
| | 2. NIRS User Q&A with Bill Brown and Bobbi Jo Anderson |
| 3:30pm-5:30pm | Forage and Grassland Foundation Board Meeting |
| 5:30pm-6:30pm | AFGC Board Reception (Invitation Only) |
| 5:30pm-6:30pm | NIRSC Board Meeting |

January 7, 2019—Monday “Producer Day”

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00am | Collegiate Room Open |
| 7:00am-4:00pm | Registration Open |
| 7:00am-7:45am | Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Judging Contest, Forage Analysis Judging Contest |
| 7:00am-7:45am | Poster Presentations (Author's Present) |
| 7:45am-9:00am | <u><i>Welcome, Breakfast, and Opening Keynote Forages Yesterday, Today and Tomorrow by Dr. Garry Lacefield</i></u> |
| 9:15am-11:00am | <u>Workshop: Top 5 Forage Management Practices That Provide the Best Return on Investment to Grazing Managers</u> <i>Sponsored by Corteva AgriScience, Ag Division of DowDuPont</i> We will survey both producers and producer-facing forage professionals to determine what top 5 management practices producers have adopted that give the best return on investment. Once we identify these topics, we will choose five forage/livestock professionals from across the industry to cover topics in the symposium. |
| 11:15am-11:45am | AFGC Business Meeting |
| 11:45am-12:45pm | Luncheon with Chris Chinn “Welcome & agricultural advocacy” by Chris Chinn, Missouri Director of Agriculture (U.S. Secretary of Agriculture Sonny Perdue invited; NRCS Chief Matt Lohr invited) |
| 1:00pm-2:30pm | <u>Workshop: “Soil Health Measurement and Understanding”</u> coordinated by Alan Franzluebbbers Overview of current soil health metrics will be presented, along with why they are important in forage and grazing lands. Changes in forage management and soil-test biological activity will be described from a local farm operation. <ul style="list-style-type: none">• Dr. Kristen Veum, USDA-ARS, Columbia MO• Mr. Ron Locke, R&J Ranch, Long Lane MO• Dr. Dennis Chessman, USDA-NRCS, Lexington KY |
| 1:00pm-2:30pm | <u>Workshop: “The Business and Science of Producing Milk on Pasture”</u> coordinated by Ted Probert <i>Sponsored by Dairy Farmers of America</i> This session will feature an overview of pasture-based milk production systems, including a producer discussion detailing pasture-based dairy management. The presentation will center on business objectives, farm and forage management, and emerging technologies utilized in these systems. |



2019 AFGC Annual Meeting Agenda

January 6-9, 2019—St. Louis, MO

“Forages Yesterday, Today, and Tomorrow”



- Dr. Stacey Hamilton, University of Missouri Extension Dairy Specialist
- Zach Ward, CEO, Grasslands Consultants, LLC
- Bernie Vandalsen, Pasture-based Dairy Producer

Volunteer Presentations

1. Filling the Fall Forage Gap with Summer Annual Forages by Jennings, Simon, Philipp, Rhein, Skinner, Lorenz.
2. Determining the effects of planting date and land preparation method on forage yield and quality by Tayler Denman
3. Evaluation of October vs November planting date on spring DM yield of five winter annual forages by Terrell Davis
4. The Use of Polymer Coated Urea for Winter grazing systems in southern geographies by Kelly Dupont
5. Double cropping summer and fall silage crops for beef cattle by Bob Powell

2:30pm-3:15pm Break, Exhibits, Silent Auction, Forage ID Contest, Hay Judging Contest, Forage Analysis Judging Contest

2:30pm-3:15pm Poster Presentations (Author's Present)

3:30pm-5:30pm FORAGE SPOKESPERSON COMPETITION

Sponsored by Tucker Family Farms

3:35 Terry Chandler, Georgia Forage and Grassland Council

3:55 Ben Maples, Alabama Farmers Federation

4:15 Bryan Eash, Indiana Forage Council

4:35 Tim Kelley, North Carolina Forage and Grassland

4:55 Anne Bays, Kentucky Forage and Grassland Council

5:15 Amy Hamilton, Missouri Forage and Grassland Council

5:30pm-6:45pm Mixer in Exhibit Hall

5:00pm-7:00pm NIRSC Membership Meeting

6:00pm-7:00pm Forage Bowl Playoff

7:00pm-8:00pm Affiliate Council Leadership Meeting

Poster Presentations:

1. Profitability centers on managed grazing dairies by Doug Gucker
2. UGA GrassMasters: an educational partnership to develop a better grazing management in Georgia by Carole Knight
3. Young Cattlemen series of Carroll County by Olivia Foster
4. UGA Forage Extension Team Increases Programming Opportunities by Using A Unique Structure and Innovative Programing Techniques by Steve Morgan
5. Yields of Overseeding Legumes x Forage Bermudagrass Combinations by William Anderson
6. Forage Production and Sward Characteristics of Native-Warm Season Grass Mixtures Under Differing Nitrogen Fertility Rates by Caroline Nichols
7. Carbohydrate recovery in grass species under two defoliation frequencies determined by thermal time by Ivan Calvache
8. Forage Quality and Cattle Performance during the Backgrounding Stage on Tall Fescue Pastures Intercropped with Sunn Hemp by Joshua Tooley
9. Development of Grazing Recommendations for Managing Alfalfa-Bermudagrass Mixtures in the Southeastern U.S. by Kaylyn Groce



2019 AFGC Annual Meeting Agenda January 6-9, 2019—St. Louis, MO “Forages Yesterday, Today, and Tomorrow”



10. Performance of Stockers Grazing Diverse Summer Annual Forage Mixtures by Kelly Mercier
11. Alternative Warm-Season Forage Systems for Weaned Beef Heifers in the Alabama Black Belt Soil Region by Landon Marks
12. Results of 2017 Fertilizer Options for Stockpiling Cool Season Grass by Chris Penrose
13. The Effects of Gibberellins and Urea on Spring Forage Growth by Dan Lima, Christine Gelley, Mark Landefeld, Jeff McCutcheon
14. Forage alternatives and management will extend the grazing season in the Gulf Coast region by Dr. Guillermo Scaglia
15. Nitrogen Application on Diverse Summer Annual Forage Mixtures by Kelly Mercier
16. Can Targeted Management Reduce Nimblewill in Pastures? By Krista Lea
17. Results of 2017 Weed Control in Pasture Management with Timed Moving by Ted Wiseman
18. Subsurface application of poultry litter and moisture effects on rye and ryegrass baleage quality by Christine Nieman
19. Nutritive Value of Cool-Season Annual Mixtures for Baleage Production by Sarah Shoup
20. Sugar Cane Aphid Pressure and Forage Production and Quality of Summer Annual Mixtures by Serena Thompson
21. Fertility and Cutting Height Affect Orchardgrass Persistence by Don Ball
22. Enhanced Efficiency N Formulation Effect on Stockpiled Tall Fescue by Kathryn Payne
23. Soft Rush Control in Perennial Warm-Season Grass Pastures by Ed Twidwell
24. Screening chemical control options for the bermudagrass stem maggot by Lisa Baxter, Holly Anderson, et.al.
25. Detecting and monitoring bermudagrass stem maggot populations by Lisa Baxter, Holly Anderson, et.al.
26. Nutritive Value and Dry Matter Yield of Reduced-Lignin Alfalfa in Grass Mixtures by S.R. Smith*, J.H. Cherney, C.C. Sheaffer, D.J.R. Cherney, and M.S. Wells

January 8, 2019—Tuesday “Youth Day”

- | | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6:30am-7:00am | Tuesday Poster Set-Up |
| 7:00am | Collegiate Room Open |
| 7:00am-3:00pm | Registration Open |
| 7:15am-8:00am | Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Judging Contest, Forage Analysis Judging Contest |
| 7:15am-8:00am | Poster Presentations (Author's Present) <u>Emerging Scientist Poster Competition:</u> <ol style="list-style-type: none">1. 7:15am--Impact of potassium application and harvest regime in alfalfa yield, forage quality and stand persistence in South Georgia by Britta Thingulstad, University of Georgia2. 7:30am--Wrap-Type Affects Dry Matter and Nutritive Values of Alfalfa Hay in Long-term Storage by Amanda Reiter, University of Minnesota3. 7:45am--Heifer Development and Forage Evaluation in Silvopasture Systems Sarah Jane Thomsen, Virginia Tech |
| 8:00am-9:15am | NATIONAL FORAGE BOWL COMPETITION with Breakfast <i>Sponsored by the Forage and Grassland Foundation and MO Department of Conservation</i> |
| 9:15am-9:45am | Break, Exhibits, Poster Presentations, Silent Auction, Photo Contest, Forage ID Contest, Hay Judging Contest, Forage Analysis Judging Contest Emerging Scientist Poster Competition |



2019 AFGC Annual Meeting Agenda

January 6-9, 2019—St. Louis, MO

“Forages Yesterday, Today, and Tomorrow”



9:45am-11:15am

Workshop: “Getting Started Without Inheriting It or Marrying It” coordinated by Wesley Tucker

This session will discuss options for beginning farmers starting out in grass-based agriculture such as leasing, custom grazing, and share arrangements. The presentation will discuss the business and financial issues, but will also include the personal and family issues that can arise.

1. Dr. Jason Salchow, DVM & Custom Grazer
2. Wesley Tucker, Ag Economist, University of Missouri Extension

NIRS Consortium Workshop: Forage Testing Yesterday, Today, and Tomorrow

1. David McIntosh: The importance of dry matter in forage testing and what this means to the researcher and producer
2. Bill Brown and Bobbi Jo Anderson: What do the NIRS numbers mean?

Volunteer Oral Presentations

1. Synergistic relationships between Grazing Management and Insect Populations by Kirsten Holland Robertson
2. Valuing alfalfa for dairy farms from nutrient perspective by Steve Norberg
3. Effects of interseeded clover or nitrogen fertilizer on forage metrics of annual ryegrass grazed by stocker cattle by stocker cattle by Phillip Gunter
4. Cover crops: nutritional values and related feeding issues by Dean Oswald
5. How to conduct your own on-farm trials by Jonathan Rupert

11:30am-12:30pm

Competition Awards Luncheon

12:45pm-2:15pm

Workshop: “Alliance for Grassland Renewal” coordinated by Jerome Magnuson

- Yesterday – “The Story of K-31” Ray Smith – Presenter
There is a success story here. K-31 was planted on millions of acres and filled a gap. Later we learned that it was the endophyte was critical for plant survival, but unfortunately the wild endophyte limits producer income. \$1 billion plus in lost revenue. Endophyte free was not the solution. It’s now time to move to forward.
- Today – “Novel Endophyte- the technology for today’s producer” – Matt Poore
Novel Endophytes are the correct technology for today. The agronomic benefit of the endophyte without the negative economic impact. The two main questions I hear, is it persistent and is renovation economical?
- Today – “The Producer Story”
- Tomorrow – “The Alliance Story- Technology Adoption” – Craig Roberts
 - The Alliance Vision – moving beyond early adopters
 - Moving from a state effort to regional to super regional
 - Model for an effective change agent

NIRS Consortium Workshop: Forage and Animal Nutrition

1. Future dairy nutrition considerations
2. Representation of metabolizable protein fractions

Volunteer Oral Presentations

1. We Need a Ruminant Revolution! By Peter Ballertedt
2. The irrigated pasturelands of New Mexico: their ecological and agricultural production value by Joseph May
3. An integrated crop-livestock system for eastern Nebraska by Elizabeth Widder



2019 AFGC Annual Meeting Agenda January 6-9, 2019—St. Louis, MO “Forages Yesterday, Today, and Tomorrow”



| | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 4. Creating a Drought Resilient Ranch by Dale Strickler |
| | 5. Wildlife conservation in eastern grasslands—an opportunity for sustainable beef by Patrick Keyser |
| 2:15pm-3:00pm | Break, Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Judging Contest, Forage Analysis Judging Contest |
| 2:15pm-3:00pm | Poster Presentations (Author's Present) |
| 3:00pm | Silent Auction Closes <i>Collect items at AFGC registration desk by 4pm!</i> |
| 3:00pm-5:00pm | EMERGING SCIENTIST COMPETITION <i>Sponsored by Corteva AgriScience, Ag Division of DowDuPont</i> |
| | 3:00 An Evaluation of the Effects of Annual Ryegrass Cytotype on Herbage Mass, Nutritive Value, and Cattle Performance Sarah Montgomery, Mississippi State University |
| | 3:15 Renovation strategies for toxic endophyte-infected tall fescue for profitability, animal and agronomic performance, and soil health Sam Ingram, North Carolina State University |
| | 3:30 Evaluating Yield, Nutritive Value, and Storage Length of Tifton-85 Bermudagrass and Tifton-85 Bermudagrass-Alfalfa Mixtures as Baleage in the Southeast Taylor Hendricks, University of Georgia |
| | 3:45 Analysis of soil health of pastures under different durations of winter annual vegetation and grazing Kathleen Bridges, Louisiana State University |
| | 4:00 Impacts of Reduced Lignin Alfalfa on Forage Digestibility for Horses Amanda Grev, University of Minnesota |
| | 4:15 Evaluation of Nitrogen-Delivery Methods for Stocker Cattle Grazing Annual Ryegrass Phillip Gunter, Auburn University |
| | 4:30 Turfgrasses for High Traffic Areas on Equine Operations Aubrey Jaqueth, University of Maryland |
| 3:00pm-4:30pm | NIRSC Membership Meeting |
| 4:30pm-5:30pm | NIRSC Board Meeting |
| 4:45pm-5:15pm | Developing a forage grass maturity index by Ray Smith with AFGC Forage Grass Maturity Workgroup |
| 5:15pm-6:15pm | “Hot Topics” Session |
| 6:45pm | Banquet Seating Begins |
| 7:00pm-9:00pm | AFGC Awards Banquet |

Poster Presentations:

1. *Setaria parviflora* Control in Tall Fescue by William Bradley Greer
2. Effects of Plant Growth-Promoting Rhizobacteria and Nitrogen Fertilizer on Stockpiled Bermudagrass: Year 1 by Megan Griffin
3. Fine-tuning temperature requirements for clover seed germination by Lisa Baxter, Tim Grey, et.al.
4. Diagnosis and Response to fescue toxicosis in a Central Kentucky horse farm: An Extension Case Study by Jimmy Henning
5. Reevaluating nitrate toxicity potential when grazing annual forages by Mary Drewnoski



2019 AFGC Annual Meeting Agenda

January 6-9, 2019—St. Louis, MO

“Forages Yesterday, Today, and Tomorrow”



6. Graze 300 Virginia by Carl Stafford
7. Forage quality estimation using unmanned aerial vehicle (UAV)-based optical sensors by Chin Nee Vong
8. Romancing Your Client by Don Williams
9. Soil Fertility by Balwinder Kumar
10. Yield, nutritive value, and nitrogen replacement value of annual legumes by Kim Cassida
11. Simplifying Grain Drill Calibration by Jessica Buckman
12. Managing the Sugarcane Aphid in Forage Sorghum: Cultivar x Aphicide Interactions by Chris Teutsch
13. Using Summer Annuals to Transform Forage Systems in Western Kentucky by Hunter Adams
14. Using the Kentucky forage council board to set UK Extension programming and agent training priorities by Jimmy Henning
15. Alkaline treatment of Kentucky 31 tall fescue baleage to reduce ergot alkaloids by Hannah Allen
16. The impact of late winter prescribed burning on forage quality and ergot alkaloid production in Kentucky 31 tall fescue by Kevin Meng
17. Impact of Perennial Warm-Season Grass Forages on Profitability of Beef Cattle Operations in the Fescue Belt by Kyle A. Brazil
18. Using a Millet Nurse Crop for Native Grass Establishment by Jonathan D. Richwine, P. Keyser, D. Hancock, and L. Marks
19. Pastureland NRI findings in Illinois by Roger Staff
20. Impact of poultry litter application on yield and quality of alfalfa grow in Mississippi by Brett Rushing
21. Crabgrass cultivar response to nitrogen fertilizer additives by Rocky Lemus and Brett Rushing
22. Incorporating Pasture States in Ecological Site Descriptions by Johanna Pate

January 9, 2019—Wednesday

- | | |
|----------------|----------------------------------------|
| 7:00am-10:30am | AFGC Board Meeting |
| 7:30am-9:30am | NIRSC Board Meeting |
| 8:30am-10:30am | The New Pasture Condition Scoring Tool |
- The training will look at a detailed summary of the tool answering some questions such as:
- Why the change from the old PCS?
 - How much field input was put into the new version?
 - What’s different from the old PCS?
 - Some examples of the old and new PCS by indicator
 - How does this affect NRCS quality criteria, EQIP and CSP ranking and eligibility?