



## 2020 AFGC Annual Meeting Agenda January 5-8, 2020—Greenville, SC “The More You Know the Smarter You Grow!”

### **January 5, 2020—Sunday**

8:00am-10:30am	International Grassland Congress Chair Meeting
10:30am-12:00pm	International Grassland Congress Committee Meeting
1:00pm-3:00pm	AFGC Board of Directors Meeting
3:00pm	Collegiate Room Open
3:00pm-4:00pm	AFGC Affiliate Leader Meeting
3:00pm-5:00pm	Exhibitor Set Up, Silent Auction Set Up & Monday Poster Set Up
3:00pm-5:00pm	Registration Open
4:00pm-5:30pm	Forage and Grassland Foundation Board Meeting
5:30pm-6:30pm	AFGC Board Reception (Invitation Only)

### **January 6, 2020—Monday “Producer Day”**

*(Meals provided based on registration are breakfast, lunch, afternoon break, and reception)*

7:00am	Collegiate Room Open
7:00am-4:00pm	Registration Open
7:00am-7:45am	Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Evaluation Contest
7:00am-7:45am	Poster Presentations (Author's Present)
7:45am-9:00am	<b><u><i>Welcome, Breakfast, and Opening Keynote with Kevin Yon, Forage &amp; Silage Farmer</i></u></b>
9:15am-11:00am	<b><u>Workshop: Getting Back to the Basics of Forage Management</u></b> Coordinated by Scott Flynn <i>Sponsored by Corteva Agriscience</i>
11:15am-11:45am	AFGC Business Meeting
<b>11:45am-12:45pm</b>	<b>Luncheon with NRCS Chief, Matt Lohr</b>
1:00pm-2:30pm	<b><u>Workshop: Improving Your Grazing? Change Your Thinking to Change Your Operation</u></b>

Coordinated by Leon Atwell & Kirsten Robertson

What makes changing farming practices so difficult? There can be all sorts of educational, physical, financial and mental barriers may need to be addressed. This workshop will address real obstacles to change assuming that the educational, physical and financial barriers are surmountable. We will address hurdles in our thinking, our planning and finally in our successfully implementing those plans.

Are you trying to implement rotational grazing, extend your grazing season, improve your soils or just convince someone else to add lime? We must consider what is really being changed. Is it our practices, our equipment and tools, our farm or ranch? Yes, all the above...but it is really our thinking that must change first. One of the toughest challenges about improving our operation is that it often requires changing our mindset. Changing what goes on between our ears precedes changes to our operation and our soil.

As we change our thinking we must also prepare a plan for the change in the operation. Making a plan is not something most of us want to do, but a plan is a helpful guide to get the work done. Then comes the tough challenge of implementing the plan. Why is it the some of the best plans we come up with are just that – plans...and



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we fail to get them done. Every step towards change involves addressing mental stumbling blocks.

Using survey/focus group data as a foundation along with a practical, interactive, hands-on experience you will leave with a roadmap for changing your thinking (or helping others change their thinking) about making improvements on your farm or ranch.

### **Workshop: Livestock Impacts on Fescue**

Coordinated by Carl Stafford

1:00 Selection for Beef Cattle Adaptability to Toxic Fescue Environments, the Role of Novel Endophyte in Making Progress by Dr Scott Greiner, Extension Animal Scientist, Virginia Tech

1:45 TBA, South Carolina Producer

### **Volunteer Presentations**

1:00 Effect of Different Cutting Schemes on Yield and Forage Quality of Low Lignin and Conventional Alfalfa Under Southeastern Conditions by Madeline Oskey and Matias Aguerre of Clemson University

1:18 Making Quality Hay, Controlling Your Losses by VJ Bluabaugh

1:36 Damage and Recovery of Forages Following Record Arkansas River flooding by John Jennings, Kenny Simon, Shane Gadberry, and Kevin Lawson of the University of Arkansas

1:54 Developing Annual Forage Rotations for Hay Production by Andy Burlingham of Oregon State University

2:12 Impact of Poultry Litter Application on Yield and Quality of Alfalfa Grown in Mississippi by Brett Rushing of Mississippi State University

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

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

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

*Sponsored by Tucker Family Farms*

3:35

3:55

4:15

4:35

4:55

5:15

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

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

### **Poster Presentations:**

1. Managing Sugarcane Aphid in Forage Sorghum: Cultivar and Aphicide Impacts by Chris Teutsch
2. Optimal Nitrogen Use on Summer Annual Forage Mixtures by Kelly Mercier of the University of Kentucky
3. A Simulated Economic Analysis of Grazing Warm-Season Annual Forages as a Cash Crop Alternative by Christ Prevatt of the University of Florida



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4. Decreasing Cow Costs Through the Incorporation of Winter-Annual Forages by Jane Cant of the University of Florida
5. Enhancing the Precision of Frost Seeding Using GPS by Garrett Hatfield
6. Beef Heifer Development and Performance Through Breeding from Alternative Warm-Season Forage Systems in Alabama by Landon Marks of Auburn University
7. Year Three Results of Nitrogen Options for Stockpiling Cool Season Grasses in Eastern Ohio by Chris Penrose of Ohio State University
8. Cow Pea Sown With Sorghum Sudangrass for Greater Baleage Nutritive Value by Christine Nieman
9. Forage Mass and Nutritive Value of Stockpiled Crabgrass by Kendra Phipps of North Carolina State University
10. Enhanced Efficiency Nitrogen Formulation Effect on Tall Fescue - Red Clover Mixed Species Pasture Productivity by Kathryn Payne of the University of Kentucky
11. Our Comprehensive Pasture Herbicide Stewardship Program at the University of Tennessee Neil Rhodes of the University of Tennessee
12. Effectiveness of Insecticide Applications on Bermudagrass Stem Maggot (BSM) by William Anderson
13. Herbicide Control of Weedy Grasses in Horse Pastures by Chi Jing
14. Cool-Season Grass Hay Yield, Forage Quality and Changes in Soil Fertility from Poultry Litter, Bio-solids and Commercial Fertilizer Amendments by Natasha Harris

### **January 7, 2020—Tuesday “Youth Day”**

*(Meals provided based on registration are breakfast, lunch, and afternoon break)*

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|----------------|---|
| 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 Evaluation Contest  |
| 7:15am-8:00am  | Poster Presentations (Author's Present)<br><u>Emerging Scientist Poster Competition:</u>  |
| 8:00am-9:15am  | NATIONAL FORAGE BOWL COMPETITION with Breakfast<br><i>Sponsored by the Forage and Grassland Foundation</i>  |
| 9:15am-9:45am  | Break, Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Evaluation Contest<br>Emerging Scientist Poster Competition  |
| 9:45am-11:15am | <b><u>Workshop: Ruminant Agriculture: Essential for Sustainable Societies</u></b><br>Coordinated by Peter Ballerstedt<br>AFGC promotes the role of forage agriculture in sustainable agriculture, which is essential to a sustainable society. This workshop will present three well-respected individuals, each an expert in their field. They will discuss: The role of dietary policy in opposing animal source food consumption; Ruminant livestock’s essential role and impact in the environment; The role of animal source foods in promoting sustainable healthcare. The integration of this information with what we already |



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know about forage agriculture will help us better promote forage agriculture, and provide information that will be personally valuable to those who attend.

9:45 Role of Dietary Guidelines by Dr. Adele Hite, North Carolina State University

10:15 Ruminant Agriculture's Footprint by Dr. Frank Mitloehner, UC Davis.

10:45 Sustainable Health Care by Dr. Eric Westman, Duke University Medical School

### **Workshop—Tall Fescue Management - What are the Choices?**

Coordinated by Alan Franzluebbbers, USDA-ARS

9:45 Opportunities for improvement in tall fescue management by Matt Poore, NC State

10:05 Grazing management choices on the Beaver Creek Farm by Mike Jones, Surry County NC

10:25 Measuring soil health to make nitrogen management decisions by Alan Franzluebbbers, USDA-ARS

10:45 Bottom-line decisions for fall stockpiling by Greg Halich, University of Kentucky

### **Volunteer Oral Presentations**

9:45 Using Thin Heavy-Bred Cows to Market Forages by Hugh Soape of Texas A&M University

10:03 Review of the Oregon Producer Discussion Groups by Woody Lane of Cornell University

10:21 A Personal Experience: Creating silvopasture With Productive Forages from a Overstocked Forest by Jeremy Huff

10:39 Using Native Warm-Season Grasses and Wildflowers in Pastures to Conserve Native Bees by Jennie Wagner of Virginia Tech

10:57 Wildlife and Grazing by Mike Jones

### **11:30am-12:30pm Competition Awards Luncheon**

12:45pm-2:15pm

### **Workshop: Managed Grazing for Production and Bobwhite Habitat**

Coordinated by James Rogers, Noble Foundation and Jef Hodges, National Bobwhite Conservation Initiative

Northern bobwhites have been experiencing a protracted population decline.

The North American Breeding Bird Survey has recorded an overall decline of 85 percent from 1966 through 2014, even greater in some regions to the point that some states have designated their population extirpated. The Partners In Flight Land Bird Conservation Plan of 2016 has projected the half-life of bobwhite populations, if the decline continues at the current rate, for each of the Bird Conservation Regions in bobwhite range from 6 years up to 21 years, averaging 10.9 years. Under traditional bobwhite management, declines have continued despite bobwhite managers' efforts for recovery. Recent research is revealing the importance of grazing as a management tool for bobwhites and other grassland birds. Managed grazing of native warm-season grasses has been proven to provide improved bobwhite habitat with the added benefit of providing valuable, drought-tolerant forage during summer, thus avoiding the summer forage production slump associated with cool-season grasses, avoiding



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endophyte-infected tall fescue, leading to improved animal performance and allowing rest and stockpiling of cool-season forages. This workshop will provide a brief background about the bobwhite decline and the latest research-supported methods for grazing management to maintain grass vigor and animal performance through summer and real world examples and results of bobwhite management using grazing.

- 12:45 - 1:00 Introduction – Bobwhite Status and Habitat, Jef Hodges
- 1:00 – 1:20 Grazing and Imperiled Grasslands Wildlife: Problem or Solution? Dr. Pat Keyser, Center for Native Grasslands Management
- 1:20 – 1:40 Missouri Quail Study: Quail, Grazing and Usable Space, Kyle Hedges, Missouri Department of Conservation
- 1:40 – 2:00 It’s Not Just About Bobwhites, It’s About Profit, Steve Clubine, Grazingland Consultant and Producer
- 2:00 – 2:15 Panel Discussion/Q & A

### Workshop: Alfalfa

Coordinated by Jennifer Tucker

#### Volunteer Oral Presentations

- 12:45 Saluting Iconic Coastal Bermudagrass and Kentucky 31 Tall Fescue Celebrating 75 Years in 2018, While Tifton 85 Bermudagrass Celebrated 25 Years That Year by Gary Hill
- 1:03 Don’t Forget About Orchardgrass! by Jonathan Rupert and Matthew Poore of North Carolina State University
- 1:21 Red Clover Dosed in Loose Mineral Mitigates Vasoconstriction in Steers Challenged With E+ Tall Fescue Seed by Brittany Harlow of the University of Kentucky
- 1:39 Animal Performance in Grazing Winter Annuals with Late Maturing Clovers by Rocky Lemus of Mississippi State University
- 1:57 Reviewing the First Decade of Bermudagrass Stem Maggot Research by Lisa Baxter, Bill Anderson, Dennis Hancock, Will Hudson, and Chris Prevatt of the Universities of Georgia and Florida

2:15pm-3:00pm Break, Exhibits, Silent Auction, Photo Contest, Forage ID Contest, Hay Evaluation Contest

2:15pm-3:00pm Poster Presentations (Author's Present)

3:00pm Silent Auction Closes

*Collect items at AFGC registration desk by 4pm!*

3:00pm-5:00pm EMERGING SCIENTIST COMPETITION

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3:00

3:15



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4:00

4:15

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5:00pm-6:00pm “Hot Topics” Session  
6:30pm Banquet Seating Begins  
7:00pm-9:00pm AFGC Awards Banquet

Poster Presentations:

1. Techniques for Evaluating Health and Productivity of Cool Season Perennial Pastures by Krista Lea of the University of Kentucky
2. Correlation Between BRIX and Wet Chemistry Analyses for Prediction of Energy/Sugar Concentrations in Orchardgrass Pasture by Kathy Soder of Pennsylvania State University
3. Use of Thermal Time to Describe and Predict the Growing and Nutritive Value of *Lolium perenne* L. and *Bromus valdivianus* Phil by Iván Calvache
4. The Effect of Long Rest Periods in an Intensive Rotational Grazing System of Beef Cattle on Soil Physical and Biological Characteristics and Pasture Parameters by Hope Wentzel
5. Designing a Preconditioning System for Receiving Stocker Cattle using Cool and Warm-Season Forages by Chris Prevatt of the University of Florida
6. Extension Programs for New and Beginning Forage Producers by Mark Mauldin of the University of Florida
7. Collaborating to Find Solutions: A Summary of Two Years of On-Farm Bermudagrass Stem Maggot Research by Lisa Baxter, et al of the University of Georgia
8. An Interactive Equine Pasture Management Workshop Series Designed for the Foothills Region of North and South Carolina by Cassie LeMaster of Clemson University
9. Seasonal Distribution of Yield and Quality of Organic Forage Systems by Nat Colten
10. Utilizing Winter-Annual Grasses and Grass-Legume Mixtures for Grazing and Silage by Ethan Henderson of North Carolina State University
11. Impact of Defoliation Height on Crown and Soil Temperature by Garrett Hatfield
12. Evaluating Nitrogen Management Strategies to Improve Southern Bermudagrass Grazing Systems by Justin Calhoun Burt
13. The Effects of Gibnerellins and Urea on Spring Forage Growth by Christine Gelley, Dan Lima, Catelyn Turner, and Jeff McCutcheon of Ohio State University

**January 8, 2020—Wednesday**

7:00am-10:00am AFGC Board Meeting  
8:00am-10:00am USDA-NRCS Workshop