



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	<u>Welcome, Breakfast, and Opening Keynote with Kevin Yon, Forage & Silage Farmer</u>
9:15am-11:00am	<u>Workshop: Getting Back to the Basics of Forage Management</u> Coordinated by Scott Flynn <i>Sponsored by Corteva Agriscience</i> 9:15 Welcome by Garry Lacefield 9:20 Impact of management on growth and development forage grasses by Dennis Hancock 9:45 Movement of Nitrogen in grass legume systems by John Jennings 10:10 Principles of forage establishment by Gary Bates 10:35 Optimizing your return on investment in forage based livestock systems by Scott Flynn 10:50 Wrap-up and Discussion - All
11:15am-11:45am	AFGC Business Meeting
11:45am-12:45pm	Luncheon with NRCS Chief, Matt Lohr
1:00pm-2:30pm	<u>Workshop: Improving Your Grazing? Change Your Thinking to Change Your Operation</u> 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,



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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 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: Genetic Adaptability in Cattle to Fescue Environments

Coordinated by Carl Stafford

Sponsored by Virginia Forage and Grassland Council

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 Oral 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 Univeristy

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



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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
3. A Simulated Economic Analysis of Grazing Warm-Season Annual Forages as a Cash Crop Alternative by Christ Prevatt
4. Decreasing Cow Costs Through the Incorporation of Winter-Annual Forages by Jane Cant
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
7. Year Three Results of Nitrogen Options for Stockpiling Cool Season Grasses in Eastern Ohio by Chris Penrose
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
10. Enhanced Efficiency Nitrogen Formulation Effect on Tall Fescue - Red Clover Mixed Species Pasture Productivity by Kathryn Payne
11. Our Comprehensive Pasture Herbicide Stewardship Program at the University of Tennessee Neil Rhodes
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
15. Changes in Botanical Canopy Cover and Seasonal Forage Production with Herbicide Impregnated Dry Fertilizer by Scott Flynn, Pat Burch, Michael Flessner, Wykle Greene and Byron Sleugh
16. Yield and Nutritional Composition of Conventional and BMR Pearl Millet with Different Establishment Dates or Harvest at Different Maturity Stages by Madeline Oskey and Matias Aguerre
17. Fostering Native Flora and Fauna on Our Working Grasslands by Laura Judge
18. Where Did That Nitrogen in This Pasture Come From? by Alan Franzluebbbers
19. Central Florida Pasture School by Caitlin Bainum
20. The Effects of Grazing Cover Crops on Animal Performance, Soil Health, and Subsequent Crop Production in East-Central Mississippi by Bronson Bass
21. Phenotypic Variation of Forage Type Bermudagrasses by Robert Lane
22. Effects of Plant Growth-Promoting Rhizobacteria on Stockpiled Bermudagrass by Madison Cole
23. The Southeast Hay Contest by Leanne Dillard
24. Investigating the Use of Cover Crops in Equine Grazing Systems by Jessica Prigge
25. Southern Women in Ag: Empowering Women Cattle Producers by Carole knight
26. Demonstrating Conversion of Wildtype to Novel Endophyte Fescue Pastures for Greater Livestock Performance and Better Environmental Outcomes by John Fike



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27. Lamb Growth and Legume Persistence on Summer-Dry Hill Pastures in Pacific Northwest by Yunus Gultekin
28. Making High Quality Baled Silage in Kentucky by Jimmy Henning
29. Yield, Botanical Composition, Forage Nutritive Value, and Preference of Grass-Legume Pastures under Horse Grazing by Amanda Grev
30. Breeding for Improved Forage Digestibility and Yield Potential in Tall Fescue (*Schedonorus Arundinaceus* (Schreb.) Dumort) by Elif Sahin
31. Forage Nutritive Value of Cereal Rye, Turnip Leaf, and Turnip Root for Beef Cattle Grazing as a Part of an Integrated Crop-Livestock System by Cindy Valdez Nolasco
32. Nutritive Value of Cool-Season Forages for Grazing Decisions by Yoana Newman
33. Spring Seeding of Cool-season Annuals into Orchardgrass in an Effort to Increase Forage Mass by Victoria Xiong
34. GRIT.ag - How a Marketplace for Ag Service & Equipment Benefits Farmers by Patrick Sowell

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)
Emerging Scientist Poster Competition |
| 8:00am-9:15am | NATIONAL FORAGE BOWL COMPETITION with Breakfast
<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
Emerging Scientist Poster Competition |
| 9:45am-11:15am | <u>Workshop: Ruminant Agriculture: Essential for Sustainable Societies</u>
Coordinated by Peter Ballerstedt
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 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 Franzluebbers, USDA-ARS

Tall fescue provides reliable forage during spring and fall seasons, but how forage is managed to get the most effective production from forage-fed livestock may not



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always be most obvious. This workshop will explore perspectives on how to manage tall fescue pastures for production, soil health improvement, ecosystem health, and economic outcomes.

- 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 Franzluebbers, 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
- 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 Red Clover Dosed in Loose Mineral Mitigates Vasoconstriction in Steers Challenged With E+ Tall Fescue Seed by Brittany Harlow of the University of Kentucky
- 11:15 Performance and Feed Quality Evaluation of Selected Forage Species in a Mixed Cropping Agroforestry System in Desert Environment by Anisul Islam

11:30am-12:30pm

12:45pm-2:15pm

Competition Awards Luncheon

Workshop: Managed Grazing for Production and Bobwhite Habitat

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

Sponsored by Truax

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 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



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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: Mixing things up with Alfalfa in the South!

Coordinated by Jennifer Tucker, University of Georgia

Sponsored by funds from USDA NIFA Alfalfa and Forage Research Program Grant #2017-04168

Alfalfa is one of the top forages grown for livestock in the U.S., however alfalfa production in the South has been very limited. The southern region provides that greatest opportunity to increase U.S. Alfalfa acreage and production as this region has primarily been overlooked due to environmental stressors and previous failures. With recent releases of newer alfalfa varieties proven to survive in these harsher conditions, there is new opportunity to once again utilize the “Queen of Forages”. There has been a significant effort in recent years to increase research and extension efforts focused on alfalfa production, management, and use in the South. This workshop will introduce best management practices and alternatives for successful use of alfalfa in the region, highlight recent research efforts from land-grant universities, provide and in-depth economic discussion with production decision tools, and give an industry outlook of what’s next with alfalfa production.

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 Wildlife and Grazing by Mike Jones
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**

Sponsored by Corteva Agriscience



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	3:00
	3:15
	3:30
	3:45
	4:00
	4:15
	4:30
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
2. Assessing the Efficacy of In-Field Brix Measurements for Forage Sugar and Energy Content by Kathy Soder
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
6. Extension Programs for New and Beginning Forage Producers by Mark Mauldin
7. Collaborating to Find Solutions: A Summary of Two Years of On-Farm Bermudagrass Stem Maggot Research by Lisa Baxter, et al
8. An Interactive Equine Pasture Management Workshop Series Designed for the Foothills Region of North and South Carolina by Cassie LeMaster
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
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
14. The Opportunities (and Challenges) of Grazing Summer Annual Forage Mixtures by Kelly Mercier
15. Incorporating Crabgrass to Improve Southern Summer Pasture Systems by Jennifer Tucker
16. Using Forage Brassicas for Raising Stockers or Replacement Heifers and Improving Soil Conditions in Georgia by Lauren Powell
17. Forage Mixture Evaluation for Organic Dairy Production by Ray Smith
18. The Effects of Cover Crops on Corn Production, Soil Health, Weed Suppression, and Forage Production in East-Central Mississippi by Ken Waddell
19. Effect of Novel Potassium Sources in Yield and Quality of Alfalfa by Yoana Newman



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20. Improving Forage Quality Using Alfalfa and Alfalfa-Grass Baleage and Microbial Inoculant by Yoana Newman
21. Native Warm-Season Grasses for Equine by Shayan Ghajar
22. Do Producers Practice What we Preach? Impact of UGA Forage Extension Programs on the Producer Knowledge Base by Tayler Denman
23. Yield and Nutritive Quality of Summer Annual Forage Mixtures by Serena Thompson
24. Effect of Added Potassium to a K-Deficient Tall Fescue - Broomsedge Hayfield by Jimmy Henning
25. Using a Field Day to Educate Horse Owners on Pasture Management by Lucy Ray
26. Effectively Reaching the Equine Community by Steve Musen, Krista Lea, Ray Smith, and Robert Coleman
27. Selection for Persistence in Red Clover Through Improved Tolerance to Northern Anthracnose and Drought by Muhammet Sahin
28. Grazing Native Warm-Season Forbs and Grasses in the Mid-South by Jonathan Richwine
29. Facilitating Undergrad Research - Clovers for Pollinators by Roger Gates
30. Summer Cover Crops and Effects on winter Pasture Production and Soil Physical, Chemical and Biological Properties by James Rogers
31. Subsequent Corn Grain Yield and Soil Characteristics Following Grazed or Un-grazed Cool-Season Annual Forages by Stocker Calves as an Integrated Crop-Livestock System by Jordan L. Cox-O'Neill
32. Grazing Cover Crops: Effects on Animal and Cover Crop Performance by Russell Carrell

January 8, 2020—Wednesday

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