



2021 AFGC Virtual Annual Meeting Agenda

Workshop: 2021 Launch of ProClova Herbicide: Setting Expectations for Weed Control and Forage Tolerance in Pastures Interseeded with White Clover

Sponsored by Corteva Agrisciences

Coordinated, Moderated, and Presented by: Scott Flynn

ProClova, the first broadleaf weed herbicide labeled for preserving white clover in forage systems, will be available for purchase in the US in 2021. The goal of this workshop is to familiarize educators, distributors and end-users with the guidelines for proper use as well as to set the expectations on weed control and forage response after applications.

(Qualifies for 1.5 CEU)

Workshop: Animal Nutrition and Forages

Coordinated by: Matt Poore

Moderated by: Joy Hendrix

- Introduction – “Getting into the Weeds of Nutrition” by Dr. Matt Poore, NCSU
- Understanding Basic Cattle Nutrition by Dr. Deidre Harmon, NCSU
- Developing Cattle Nutrition Programs by Johnny Rogers, NCSU

(Qualifies for 1.5 CEU)

Workshop: Pasture Condition Scoring: Winter use and resource concerns

Held in collaboration with USDA NRCS

Coordinated by: Kevin Ogles, USDA NRCS

There are times when NRCS conservationists or producers need to conduct a pasture condition assessment during the winter. Can the Pasture Condition Scoring tool still be used with plants being dormant or dead during the non-growing season? Also, how do PCS indicator results guide the planner or producer to the resource concern on the pasture? And most of all, what can they advise the producer to do to solve that resource concern? This session will help answer these questions as well as provide an overview on the pasture condition scoring tool.

- Kevin Ogles, USDA NRCS, East National Technology Support Center
- Steve Woodruff, USDA NRCS, East National Technology Support Center
- Victor Shelton, USDA NRCS

(Qualifies for 1.5 CEU)

Volunteer Presentations

- Stem-to-Leaf Ratio: Recalculating Concepts of Forage Quality by Gonzalo Ferreira, Virginia Tech
- Mob and Rotational Grazing: Weighing Your Options by Eric Billman, USDA-ARS
- Forage Cell Wall Composition and Its Relationship with Undigested Neutral Detergent Fiber (uNDF) by Gonzalo Ferreira, Virginia Tech
- Mixed Perennial Grass-legume Swards Impact Deep Soil Characteristics by Victor Guerra, University of Florida

(Qualifies for 1.5 CEU)

Workshop: Forage Just Another Crop

Coordinated by: Johnny Rogers

- Forage Systems for Cow-Calf Production (Warm Season Grasses) by Dan Glenn, Deep Grass Graziers
- Forage Systems for Cow-Calf Production (Cool Season Grasses) by Ronnie Holman, Hardrock Beef Cattle
- Forage Systems for Stocker/Finisher Cattle by Paige Smart, Southeast AgriSeed

(Qualifies for 1.5 CEU)

Workshop: Soil Health

Coordinated and Moderated by: Alan Franzluebbbers

A series of 10 minute presentations.

- Introduction to soil health – Alan Franzluebbbers, USDA-ARS
- Seasonal changes of soil health in a perennial pasture overseeded with winter annuals by Kathleen Bridges (Louisiana State University), Lisa Fultz, Montgomery Alison, Kun Jun Han, William Pittman, and Bisoodat Macoon.
- Dung beetles affect nitrous oxide flux, ammonia volatilization, and nutrient cycling in grassland soils by Carlos Garcia (University of Florida), Jose Dubeux, Xavier Martini, Derrick Conover, Erick Santos, Bruno Grossi, Martin Ruiz-Moreno, Izabela Gomes, Luana Dantas, and Daciele Abreu
- Grazing cover crops: Impact of cover crop grazing on soil health in Alabama cropping systems by Russell Carrell (Auburn University), Audrey Gamble, Rishi Prasad, Kip Balkcom, Kim Mullenix, Yucheng Feng, and Leanne Dillard
- Traditional cropland cover crop or grazed double-crop forage impact on soil health by Jordan Cox-O'Neill (North Carolina State University), Deidre Harmon, Matt Poore, Alan Franzluebbbers, Joan Eisemann, and Carrie Pickworth
- Do cattle cause compaction when grazing corn residue in the spring? by Morgan Grabau (University of Nebraska), Jim MacDonald, Zachary Carlson, and Mary Drewnoski
- Evaluating the effects of applied poultry litter and winter-fed hay on forage and soil biophysical properties by Lawrence Berry (University of Arkansas), Andrew Sharpley, and Ron Morrow
- Discussion period (20 minutes)

(Qualifies for 1.5 CEU)

Workshop: Calculated Parameters used in Forage Nutritive Analysis Reporting

Coordinated by: David McIntosh and Lisa Baxter

Moderator: Gary Bates

Panelist: Dr. Ralph Ward, Cumberland Valley Analytical Services; Dr. Dennis Hancock, USDA ARS; Kyle Taysom, DairyLand Laboratories; Neal Winger, DairyLand Laboratories

David McIntosh, The University of Tennessee, Knoxville, NIRS Consortium

In forage nutritive analysis reporting there are a myriad of potential calculations available, however there is no guidance pointing towards the “best” option. This leads to large variability and confidence in these for example with Total Digestible Nutrients (TDN), Dry Matter Intake (DMI), and Relative Forage Quality (RFQ). There are numerous other calculated parameters that come to mind that this same issue is found when reporting is compared across labs and researchers. The Near-Infrared Spectroscopy Consortium (NIRSC) standardizes NIRS testing procedures, their application, and the accuracy of the constituents reported on a forage test. The National Forage Testing Association (NFTA) standardizes the accuracy of forage testing procedures. However, no organization regulates the calculated parameters used in the forage research and industry. The goal of this session is to have a moderated discussion on available calculations and determine what actions should be made in governing their use.

(Qualifies for 1.5 CEU)

Workshop: Making Hay

Sponsored by Massey Ferguson

Coordinated and Moderated by: Lisa Baxter

- Quality vs. Quantity by Leanne Dillard, Auburn University
- Best Use of Equipment for Quality Results by Lisa Baxter, University of Georgia
- New Technology Available to Hay Producers by Marcelo Wallau, University of Florida
- Southeastern Hay Contest Awards by SE Hay Contest Executive Committee

(Qualifies for 1.5 CEU)

Poster Presentations (OnDemand):

- Forage Quality of Mixed Systems in Organic Dairy Production by Ray Smith
- Estimating Soil Organic Carbon Sequestration of Pastures from Depth Distribution by Alan Franzluebbbers
- A Forage-Based Educational Needs Assessment for Livestock and Forage Producers in Maryland by Amanda Grev
- Potassium Fertilization and its Impact on Yield, Nutritive Value, and Winter Survival of Alfalfa by Amy Greenberg
- Increasing Grassland Knowledge in WV with a Prescribed Grazing Professional Development Project by Ben Goff
- UK Master Grazer: Facilitating Change through On-Farm Demonstrations by Carrie Thraillkill
- Impact of Defoliation Height on Crown and Soil Temperature by Chris Teutsch and Jennifer Buckman
- The Effect of Irrigation Rate on the Yield and Species Composition of Two Perennial Grass/Legume Mixtures in Southern Oregon by Gordon Jones
- Establishing Southeastern Wild Rye: An Evaluation of Seeding Rate on Final Plant Population by Jesse Morrison
- The USDA Graze Pasture Budgeting Model for Kentucky- A New, Revisable Edition by Jimmy Henning
- Effect of Supplementation of Oilseeds to an Herbage-Based Diet High in Condensed Tannins on Enteric Methane Production and Ruminant Fermentation in Continuous Culture by Eric Billman and Kathy Soder
- Is There an Economic Advantage to Planting Diverse Summer Annual Forage Mixtures? by Kelly Mercier
- The History of the International Grassland Congress 1927-2020 by Ray Smith
- Mapping TNC Concentrations over Time in N-Fertilized and Unfertilized *Arachis Glabrata* Benth. Rhizomes by Kelly Thomas
- Novel Pest management Strategies to Control Smutgrass in Southern Forage Systems by Nicholas Shay
- Corn-Alfalfa Intercropping with Different Row Spacings by Samuel Bibby
- Wet Feet, Dry Feet, Hot Feet: Which Forages Might Tolerate all Three by Sharon Freeman
- Controlling Knotroot Foxtail in a Bermuda Hayfield by Terrell Davis
- Biomass Production and Forage Quality of Peanuts in the Southern Great Plains? by Travis Witt
- Fermentation and Aerobic Stability of Rain-Damaged Alfalfa/Grass Baled Silages Treated with a Propionic-Acid-Based Preservative by Wayne Coblenz
- White Lupin and Rye as Potential Winter Crop Forages for the Southeast by William Anderson
- Impact of Dry Matter at Ensiling on the pH and Nutritive Value of Baleage by Chris Teutsch and Alexander Teutsch
- Evaluation of Horse Pasture Score Card by Krista Lea
- Fall Grazing for Newly Weaned Lambs by Christine Gelle and Branden Campbell
- Application of Remote Sensing to Quantify Warm Season Grass Encroachment in Pasture by Jordyn Bush
- Meta-Analysis of the Effects of Chemical and Microbial Preservatives on Hay Spoilage by Marjorie Killerby

- Effect of Crabgrass and Summer Annual Legumes Mixes on Forage Yield and Nutritional Composition by Matias Aguerre
- Effects of Planting Population and Maturity at Harvest on Forage Yield and Nutritional Composition of Conventional and BMR Genotypes of Corn by O. M. Pena, G. Ferreira, and M. J. Aguerre
- Addressing the Status of Pasture Health through Producer Needs Assessment by Luke Harlow
- Effects of Defoliation and Perennial Peanut on Phosphorus and Micronutrients in Bahiagrass System by Adesuwa Erhunmwunse
- Impact of Fertilizer Type, Seeding Coating and Duration of Exposure on the Germination of Red Clover Seed by Chris Teutsch and Lindsay Sparks
- Impact of Fertilizer Type, Seeding Coating and Duration of Exposure on the Germination of Orchardgrass Seed by Chris Teutsch and Lindsay Sparks
- Sheep and Goat Preferences of Five Common Cover Crops by Robert Lane
- Yield Gains by Incorporating Rhizoma Peanut into Bahiagrass and its Impact on Soil Fertility Distribution by Jung-Chen Liu
- Water Quality for Georgia Livestock by Carole Knight
- Potential Use of Bermudagrass Turfgrass in Southern Agriculture Systems by Lisa Baxter
- Assessing the Impact of Agritultureal Machinery Traffic on Alfalfa Yields by Renee Anderson
- Comparison of Warm-Season Annual Grasses as Supplemental Grazing by Rocky Lemus
- Determining the Sphere of Influence of Spiny Amaranth (*Amaranthus Spinosa*) on Forage Yield Losses in Bermudagrass (*Cynodon Dactylon*) Pastures in Georgia: Weed Competition and Animal Avoidance by Tayler Danman

In-Person and OnDemand Volunteer Oral Presentations:

- Forage Mass and Structural Responses of Stockpiled Alfalfa-Bermudagrass Systems by Liliane Silva, Auburn University
- Pasture Management Curriculum for County Extension Agents by Caitlin Bainum, University of Florida
- On-Farm Demonstrations: Mistakes Made & Lessons Learned by Mark Mauldin, University of Florida
- Perceptions of Alfalfa Adoption in the Southeast US by L.S. Silva, M.K. Mullenix, J.J. Tucker, C.G. Prevatt
- Sericea Lespedeza--The Rodney Dangerfield of the Forage World by Reed Edwards
- An Update on the University of Tennessee Comprehensive Herbicide Stewardship Program by Neil Rhodes, The University of Tennessee

*Continuing Education Units Total: **10.5** CEU's if attendee attended all the sessions during AFGC 2021 Virtual Conference