



2017 Annual Conference

Thursday, January 19 - Schedule

| Thursday, January 19 | | | |
|----------------------|--|--|--|
| Time | Ballroom (North/South) | Mente/Boyd Reception Area | Uelner Boardroom |
| NOON | Registration | | |
| 12:15 PM | Pasture Renovation, Spray/Smother/Spray Craig Roberts | Minerals for Sheep Dan Morrical | Experiences with Extended Grazing Jim Russell |
| 1:15 PM | Samuel L. Noble Foundation - Background & Current Initiatives Jeff Goodwin & Rob Cook | Fescue Tolerance Test for Beef Cattle Diane Spurlock | Mineral Nutrition for Grazing Beef Steph Hansen |
| 2:15 PM | <i>Break</i> | | |
| 2:45 PM | Innovations in Grazing Management Rob Cook | | Ration Analysis for Forage Based Beef Diets Using BRANDS Garland Dahlke |
| 3:45 PM | Extended Grazing Producer Panel Dan Hostetler, Bruce Carney, & Jim Werner | | |
| 4:45 PM | Grazingland Soil Health: Concerns, Experiences, and Outlook Jeff Goodwin | BRANDS Ration Analysis for Sheep Dan Morrical | |
| 6:00 PM | <i>Dinner catered by Hickory Park</i> | | |
| 7:00 PM | Multispecies Rotational Grazing - The Serengeti Model Will Harris | | |
| 8:00 PM | <i>Adjourn</i> | | |



2017 Annual Conference Friday, January 20 - Schedule

| Friday, January 20 | | | |
|--------------------|---|--|--|
| Time | South Ballroom | North Ballroom | Horton Room |
| 8:00 AM | IFGC Annual Meeting | | |
| 8:30 AM | Systems Thinking on Pinhook Farm - Why Clean Water, Healthy Soil, & Happy Cows Matter Seth Watkins | Fescue Tolerance Test for Beef Cattle Diane Spurlock | Ration Analysis for Forage Based Beef Diets Using BRANDS Garland Dahlke |
| 9:30 AM | Mineral Nutrition for Grazing Beef Steph Hansen | Pasture Renovation, Spray/Smother/Spray Craig Roberts | BRANDS Ration Analysis for Sheep Dan Morriscal |
| 10:30 AM | <i>Break</i> | | |
| 10:45 AM | Managed Grazing Producer Panel Seth Watkins, Dan Cook, & Chris Nelson | | |
| 11:45 AM | <i>Adjourn (Move to PFI Conference)</i> | | |

IOWA STATE UNIVERSITY
Extension and Outreach
Iowa Beef Center



Pre-registration Deadline: **Friday, January 13, 2017**



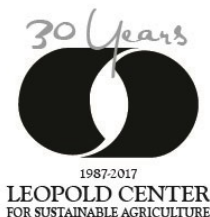
SEE REGISTRATION ON BACK.....

Forage Producers, Industry Representatives, & Public Sector Representatives at the...



Thank you to our sponsors!

Pre-registered by January 13, 2017 to be automatically entered for the door-prize drawings provided by our sponsors!



IOWA STATE UNIVERSITY
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Iowa Beef Center

Questions?
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Please see us online for more information:
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2017 Annual Conference

January 19-20, 2017
ISU Alumni Center, Ames, Iowa

2017 Main Sponsors:



IOWA STATE UNIVERSITY
Extension and Outreach
Iowa Beef Center

Attendee Registration Form

Pre-registration Deadline: **Friday, January 13, 2017**

Contact Name: _____

Company Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ Email: _____

Each pre-registered attendee will be automatically entered for the door-prize drawings provided by our sponsors!

Convention Registration

Two-Day Convention Pre-registration *(Includes Thurs sessions with dinner and Fri sessions)*

IFGC or PFI Members @ \$50 per person (\$60 at the door) \$ _____

Non-members @ \$70 per person (\$80 at the door) \$ _____

Single-day Convention Pre-registration

IFGC or PFI Members (Thurs) @ \$35 per person (\$45 at the door) \$ _____

Non-members (Thurs) @ \$45 per person (\$55 at the door) \$ _____

IFGC or PFI Members (Friday) @ \$25 per person (\$35 at the door) \$ _____

Non-members (Friday) @ \$35 per person (\$45 at the door) \$ _____

2017 IFGC Dues (Dues year runs Jan. 1 - Dec. 31)

Producer: \$35 annual fee \$ _____

Public: \$35 annual fee \$ _____

Industry: \$90 annual fee \$ _____

TOTAL \$ _____

Payment Information

Check Enclosed Credit Card (see below)
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Please return form & payment to:

Iowa Forage & Grassland Council
900 Des Moines Street | Des Moines, IA 50309 | Fax: 515-262-8960



2017 Iowa Forage & Grasslands Council Conference

Speaker profiles

Will Harris

7:00 PM | Thursday, Jan 19

Multispecies grazing, using the Serengeti model

Fourth generation farmer Will Harris of Bluffton, Ga., developed his White Oak Pastures into the largest organic farm in Georgia. He added job-generating meat processing to the farm and has become a provider of high-quality natural meat products to upscale grocery stores and restaurants. A farmer for 40 years, Harris operates 1,200 acres of rented land and 1,100 acres of owned land. His enterprises include 700 beef cows, a sheep operation with 400 ewes, 50 nannies in his goat herd, 30 sows in his hog herd and 150 doe rabbits.

Annually, he raises about 300,000 chickens, 3,000 geese, 3,000 ducks, 5,000 turkeys and 5,000 guinea fowl. He also grows irrigated organic vegetables on five acres.

Craig Roberts

12:15 PM | Thursday, Jan 19

9:30 AM | Friday, Jan 20

Renovating pastures, including renovating fescue pastures with the spray/smother/spray method

The goal of Craig Roberts' extension work is to improve the economic and environmental status of Missouri's forage-livestock agriculture. His extension program includes needs assessment, prioritization, implementation and documentation of impact.

Roberts is a professor in plant sciences. Roberts' extension program has five foci: forage testing, grazing systems, hay production, pasture-based dairy and fescue toxicology. Craig also has been a great resource for staff, agricultural professionals and producers in Iowa on fescue management.

Jeff Goodwin

1:15 PM | Thursday, Jan 19

Jeff Goodwin & Rob Cook *Samuel L. Noble Foundation*

Jeff Goodwin and Rob Cook also will provide an update on activities at the Noble Foundation

4:45 PM | Thursday, Jan 19

The impact of grazing management on soil health and soil and water quality

Goodwin is a pasture and range consultant in the producer relations program at the Samuel Roberts Noble Foundation, Ardmore, OK. Before coming to the Noble Foundation in 2016, Goodwin was the state rangeland management specialist for U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) in Temple, Texas.

Prior to that, Goodwin worked as the NRCS state grazing land specialist and provided leadership and coordination to the Texas Grazing Land Coalition. During Goodwin's 14-year career with NRCS, he worked in multiple locations in Texas as a rangeland management specialist helping producers and landowners meet their management objectives. Previously, Goodwin worked as a research associate in the Texas A&M AgriLife Research Service Range Animal Nutrition Program in Vernon, Texas. Goodwin was raised in Northeast Texas but has spent the majority of his life in Central Texas.

Jim Russell

12:15 PM | Thursday, Jan 19

Experiences with Extended Grazing

Jim Russell retired late in 2016 after a great career at ISU. His research has been driven by producer needs – starting with the Leopold Center's Animal Issue team. Dr. Russell was a Ruminant Nutrition staff member at Iowa State Animal Science department, and conducted nearly all of the grazing research conducted at ISU over the past four decades. Join a discussion with Jim on what makes extended grazing work, and how to manage stockpiled grazing.

Rob Cook

2:45 PM | Thursday, Jan 19

Tools producers can use to improve grazing, forage utilization and livestock management, including decision aids and phone apps

Cook is a pasture and range consultant in the producer relations program at the Samuel Roberts Noble Foundation. Before coming to the Noble Foundation in 2015, Cook was a rangeland specialist with the Natural Resources Conservation Service, where he managed the National Resource Inventory program for the northernmost 54 counties in the Texas Panhandle.

Prior to that, Cook worked as the district conservationist in Vega, Texas, and as a rangeland specialist in San Antonio, Texas. Cook grew up in Vega, Texas, a small farming and ranching community in the Texas Panhandle.

1:15 PM | Thursday, Jan 19

Jeff Goodwin & Rob Cook Samuel L. Noble Foundation

Jeff Goodwin and Rob Cook also will provide an update on activities at the Noble Foundation

Seth Watkins

8:30 AM | Friday, Jan 20

Systems approach managing Pin Hook farm in SW Iowa, integrating livestock, crops, and conservation

Seth has a cow-calf enterprise of 600 and grows hay and corn for feed located in SW Iowa. He demonstrates agricultural land conservation for Leadership in Energy and Environmental Design (LEED) certification and allows outfitting. Seth does a large variety of conservation practices, most of which were implemented after 1998.

These practices include: rotational grazing, restricted wildlife areas, riparian buffers, ponds, shallow water habitats, integrated pest management, prescribed burning, windbreak restoration, no-till, cover crops, tile, terrace, inter-seeded legumes, prairie restoration/CRP, late season calving, and row crops integrated with prairie strips. Seth's prairie strips are continuing with technical assistance from the NRCS and ISU.

Seth conserves fossil fuel, protects the land, and works with nature to improve ecology; a trio of practices that contribute to the success of his farm. "Stewardship is what life's all about," he says.

Dan Morriscal

12:15 PM | Thursday, Jan 19

Developing rations for sheep using the ISU BRANDS-S software

4:45 PM | Thursday, Jan 19

9:30 AM | Friday, Jan 20

The mineral requirements of sheep, micro mineral content of Iowa forages, and supplementation strategies

Dan is a Professor of Animal Science at Iowa State University and serves as the State Sheep Extension Specialist, and has an emphasis on grazing management. Dan has been a great resource for graziers in Iowa. Education - Doctor of Philosophy, New Mexico State: 1984; M.S., New Mexico State: 1982; B.S., Purdue University: 1977.

Garland Dahlke

2:45 PM | Thursday, Jan 19

8:30 AM | Friday, Jan 20

Rations for beef cattle using the BRANDS software he developed for the Iowa Beef Center, emphasizing grazing and forage based cow and stocker diets

Garland Dahlke has been at ISU since 2003, and is a valuable Iowa Beef Center team member with nationally recognized expertise in development of more than a dozen decision tools for livestock producers. Education - B.S. Animal Science, University of Wisconsin; MS, Animal Production, Iowa State University; Ph.D., Ruminant Nutrition, Iowa State University. Among the more well-known and highly visible software programs that he's worked on, Garland is perhaps best known for these four: the Beef Ration and Nutrition Decision Software, also known as BRaNDS; the Beef Feedlot Monitoring Program, the Feed Intake Monitoring System, and the Estrus Synchronization Planner. He has created five state-specific versions of BRaNDS as well as one for equine and another for sheep, and FIMS is being used at the ISU beef nutrition farm to measure individual animal intake in cattle fed together in pens

Stephanie Hansen

1:15 PM | Thursday, Jan 19

9:30 AM | Friday, Jan 20

Mineral needs of grazing cattle, how to assess deficiency, and supplementation strategies

Associate Professor in Ruminant Nutrition at Iowa State University. North Carolina State University - Ph.D. (Nutrition), 2008 North Carolina State University; M.S. (Animal Science), 2005; Iowa State University B.S. (Animal Science), 2002. Dr. Hansen's research concerns trace mineral nutrition of domestic livestock, improving feed efficiency of beef cattle, mineral interactions, and safely increasing inclusion of high sulfur feedstuffs in beef cattle diets.

Diane Spurlock

1:15 PM | Thursday, Jan 19

8:30 AM | Friday, Jan 20

The T-Snip test to evaluate cattle for tolerance to fescue toxicosis

Diane Spurlock is a geneticist working with Ag Botanica to evaluate data on their genetic test for fescue tolerance and expand applications of the test. Dr. Spurlock previously was an Associate Professor of Animal Science at Iowa State University. AgBotanica LLC is a start-up company founded in 2004 and headquartered in Columbia, MO. Its members are Monty Kerley, Robert Kallenbach and Craig Roberts. These experts in Animal Sciences, plant sciences and agronomy have conducted agricultural research since 1980. The T-Snip test is an exciting product developed by this partnership.

Extended grazing producer panel

4:45 PM | Thursday, Jan 19

Dan Hostetler, Bruce Carney, & Jim Werner

This session will discuss how stockpiled grazing and other methods to extend grazing days reduces winter feed costs and improves cow calf profitability. These producer panelists have many years of experience with stockpiled grazing, grazing annuals, and other ways to extend grazing days – Dan Hostetler, Grand River; Jim Werner, Diagonal; Bruce Carney, Maxwell

Managed grazing producer panel

4:45 PM | Thursday, Jan 19

Seth Watkins, Dan Cook, Chris Nelson

This session will talk about how they manage their pastures, what they have learned over the years, and what they would like to change. Producers from different parts of Iowa will share how they manage grass and how they could do better – Dan Cook, New Providence; Chris Nelson, Minburn; Seth Watkins, Clarinda