

NEBRASKA INTEGRATED BEEF SYSTEMS WORKSHOP

GEMS: Genetics, Environment, Management and Society in Beef Production
Systems

AKRS CHAMPIONS CLUB - OCTOBER 19

8:30-10:00 AM, CST.....Check-In, Coffee and Rolls
10:00-11:10 AM.....Hubs - Now and Future
11:10-11:20 AM.....Break
11:20 AM - 12:00 PM.....Genetics
12:00-1:00 PM.....Lunch, Discussions, Welcome (V.C. Boehm)
1:00-2:20 PM.....Environment
2:20-2:30 PM.....Break
2:30-4:10 PM.....Management
4:10-5:00 PM.....Structured Discussion
5:00-6:00 PM.....Social Hour

EAST CAMPUS UNION GREAT PLAINS ROOM B - OCTOBER 20

7:00-8:00 AM.....Continental Breakfast
8:00-10:00 AM.....Society
10:00-11:00 AM.....Structured Discussion
11:00-11:30 AM.....Break
11:30 AM-1:00 PM.....Closed Session



Presentation Topics

AKRS CHAMPIONS CLUB - OCTOBER 19

Hubs – Now and Future

- 10:00-10:30 AM Nebraska Integrated Beef Systems Hub – *Archie Clutter*
10:30-10:50 AM Water and Integrated Cropping Systems Hub – *Daren Redfearn*
10:50-11:10 AM Rural Prosperity Nebraska Hub – *Cheryl Burkhardt-Kriesel*

Genetics

- 11:20-11:40 AM Genomics: Industry use, state of play, and the UNL framework – *Matt Spangler*
11:40AM-NOON Factors shaping the rumen microbiome and the impact of the microbiome on beef cattle health and performance – *Samodha Fernando*

Environment

- 1:00-1:20 PM Combating climate change and promoting food security through sustainable agriculture: the role of carbon farming initiative – *Tala Awada*
1:20-1:40 PM Adaptive Management of Rangelands – *Craig Allen*
1:40-2:00 PM Pronghorn Movement Ecology and Resource Selection in the Nebraska Sandhills – *Andrew Little*
2:00-2:20 PM Water Footprint of Nebraska Beef – *Andrea Watson*

Management

- 2:30-2:50 PM Nebraska Meat Science: Connecting Farm to Fork – *Gary Sullivan*
2:50-3:10 PM Precision livestock management on extensive rangeland systems – *Mitch Stephenson*
3:10-3:30 PM Assessing rangeland function and diversity with imaging spectrometry – *John Gamon*
3:30-3:50 PM How management (nutrition) impact growing/finishing cattle: Examples of research-driven improvements – *Galen Erickson*
3:50-4:10 PM Challenges and Opportunities Managing Crop-Livestock Integrated Production Systems – *Jay Parsons*

EAST CAMPUS UNION GREAT PLAINS ROOM B - OCTOBER 20

Society

- 8:00-8:20 AM What can ranchers plan for? Managing drought, climate trends, and uncertainty in decision-making – *Tonya Haigh*
8:20-8:40 AM Evolving Consumer Preferences: Implications for Beef Demand – *Chris Gustafson*
8:40-9:00 AM Information Avoidance: Does Ignorance Keep Us Uniformed About Antimicrobial Resistance? – *Kate Brooks*
9:00-9:20 AM Landscape heterogeneity and ecosystem services – importance and view from ranchers' perspective – *Mark Burbach*
9:20-9:40 AM Animal welfare: opportunities, challenges, and societal concerns in the UNL framework and beyond – *Ruth Woiwode*
9:40-10:00 AM Perennial grasses provide opportunities for marginally productive cropland – *Rob Mitchell*