

# Applied Reproductive Strategies in Beef Cattle Workshop

August 29-30, 2017

Manhattan, KS

**Tuesday – August 29<sup>th</sup>**

7:00 a.m. Registration and breakfast (provided)

8:00 a.m. Welcome

## **Part 1: Foundational principles**

8:05 a.m. Physiology of the estrous cycle – **Jeff Stevenson**, Kansas State University

8:40 a.m. Estrous synchronization protocol evolution and practical application - **Dave Patterson**, University of Missouri

9:10 a.m. General management considerations to improve success of AI – **Rick Funston**, University of Nebraska

## **Part 2: Application**

9:40 a.m. Characteristics of successful breeding programs – AI industry perspective – **Sandra Levering**, ABS Global, Protection, KS

9:55 a.m. *Break & Trade Show*

10:25 a.m. Characteristics of successful breeding programs -A veterinarian perspective – **Randall Spare**, DVM, Ashland Veterinary Service

10:40 a.m. How we make reproductive technologies pay; heifer development perspective – **Doug O'Hare**, O'Hare Ranch, Ainsworth, NE

10:55 a.m. How we make reproductive technologies pay; commercial perspective – **Barb Downey**, Downey Ranch, Wamego, KS

11:10 a.m. How we make reproductive technologies pay; seedstock perspective - **Galen Fink**, Fink Beef Genetics, Randolph, KS

11:25 a.m. Questions / Discussion

Noon Lunch (provided) and visit Trade Show

## **Part 3. Nutritional components**

1:15 p.m. Heifer development targets – **John Hall**, University of Idaho

1:45 p.m. Mystery and magic of mineral programs – **John Arthington**, University of Florida

2:15 p.m. Impact of nutrition, behavior and other stressors on embryonic loss and fertility - **Reinaldo Cooke**, Oregon State University

2:45 p.m. *Break & Trade Show*

## **Part 4. The male side**

- 3:15 p.m. Male fertility – **John Kastelic**, DVM, University of Calgary
- 3:45 p.m. Developing breeding bulls for the commercial cattleman – **Dan Larson**, Great Plains Consulting
- 4:15 p.m. Commercial aspects of sexed semen – **George Seidel**, Colorado State University
- 4:45 p.m. Q & A
- 6:00 p.m. Social (cash bar) Stanley Stout Arena
- 6:30 p.m. Steak dinner (*included with registration*), Announcement of Service to Industry Awards
- 7:30 p.m. Discussion groups

### Wednesday – August 30<sup>th</sup>

- 7:00 a.m. Breakfast (provided)

#### **Part 5. Systems and health**

- 8:00 a.m. Reproductive and other emerging disease concerns – **Gregg Hanzlicek**, DVM, Kansas State University
- 8:30 a.m. Systems approach to animal health – **Dave Smith**, DVM, Mississippi State University
- 9:00 a.m. Pregnancy diagnosis in cattle: when, why and how – **Ky Pohler**, University of Tennessee
- 9:30 a.m. Fetal programming – **Kim Vonnahme**, North Dakota State University
- 10:00 a.m. *Break & Trade Show*
- 10:30 a.m. Embryo transfer: Managing recipients and donors - **Cliff Lamb**, Texas A & M University

#### **Part 6. Leveraging genetics**

- 11:00 a.m. Next on the horizon for genetic technology - **Randy Prather**, University of Missouri
- 11:30 a.m. Selection of replacement heifers – **Bob Weaber**, Kansas State University
- 12:00 p.m. Practical application of genomic tests in beef production – **Megan Rolf**, Kansas State University
- 12:30 p.m. Conference wrap up and head to lab (*LAB is optional*) or home

#### **Part 7. Optional Lab**

Lab - 1:45 – 4:45 pm - Stanley Stout Center – *Optional, separate fee*

Lab topics – Semen quality and handling, Collection and analysis of DNA samples, Ultrasound, Pregnancy tests, Reproductive Tract Scores, Tools (Estrus Synchronization Planner, Management Minder, Pregnancy Analytics App) and more tools (gun warmers, universal guns).

Participants will rotate through lab stops. Size of some sessions will be limited; order of receipt of registration will be used to determine priority if needed. Pregnant tracts will be available to try various

ultrasound machines. This will not be a “how to” ultrasound session, rather an opportunity to see different machines and features in action.

