Application of Advanced

Genetic Technology in Beef Cattle

February 23-24, 2024 || Fort Worth, TX || Online

INSTRUCTORS:

Bob Weaber, PhD, Professor/Extension Specialist, Kansas State University
Matt Spangler, PhD, Professor/Beef Genetics Extension Specialist, University of Nebraska-Lincoln

FRIDAY, FEBRUARY 23, 2024

8:00 AM   Welcome and Introductions
Step 1: Developing a Breeding Objective
- Identifying environmental constraints
- Identifying marketing objectives
- Economically relevant and indicator traits
- Developing a breeding system: Crossbreeding
- Breed selection

10:15 AM   BREAK

10:30 AM   Step 2: Animal/Sire Selection
- Deciphering actual measurements, adjusted data, and ratios
- Fundamentals of Expected Progeny Differences
- Comparing EPD across breeds

12:00 PM   **NEOGEN® Sponsored Lunch**

1:00 PM   NEOGEN®

1:30 PM   Selection Decision Risk Management
- The concept of accuracy
- Possible change and confidence intervals
- Multiple trait selection strategies
- Utilization of Selection Indices

3:30 PM   BREAK

3:45 PM   Interactive Sire Selection Scenarios

5:30 PM   Adjourn

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SATURDAY, FEBRUARY 24, 2024

8:00 AM Day 1 Review

9:00 AM Genomics 101: Definition and simple uses
- Understanding the genome
- What is a SNP?
- Parentage
- Defect Management
- Genomically enhanced EPDs

10:30 AM BREAK

10:45 AM Applications of genomic tools by commercial producers
- Sire Selection
- Replacement selection
- Marker-Assisted Management
- Future directions

12:30 PM ADJOURN