

SUNDAY, AUGUST 4

- 1:00 Onsite Registration and Registered Participants May Pick Up Their Conference Materials.
- 3:00 Texas Purebred Cattle Alliance Annual Meeting – MSC, Rm. 2404

MONDAY, AUGUST 5

- 6:30 a.m. **Rudder Complex**
- 6:30 Registration Desk AND **TRADE SHOW OPENS**
- 6:30 Coffee and breakfast
SPONSORED BY SUNBELT CUSTOM MINERAL AND CAVENDER RANCHES
- 8:00 General Assembly for Instructions and Orientation by Dr. Jason Cleere – Rudder Theatre
SPONSORED BY JORGENSEN LAND & CATTLE AND JC SMITH CO.

CATTLEMAN'S COLLEGE SEMINARS CONCURRENT SESSIONS

- 8:30 **Introduction to Cattle Production I**
– Rudder Theatre (Dr. Jason Smith and Dr. Karl Harborth, Coordinators)
SPONSORED BY CAPITAL FARM CREDIT AND LYSSY & ECKEL INC.
- 8:30 They're Talking Beef Cattle Ranching, But in What Language? – Dr. Jason Smith and Dr. Karl Harborth
- 8:30 **From Ground to Grazing: Mastering Soil Fertility & Forage Excellence (2 CEUs – 1 General, 1 IPM)**
– MSC, Rm. 2400 (Dr. Vanessa Corriher-Olson, Dr. Larry Redmon and Dr. Monte Rouquette, Coordinators)
REPEAT ON TUESDAY
SPONSORED BY CORTEVA AGRISCIENCE AND LONE STAR FEED AND FERTILIZER
- 8:30 USDA-NRCS Programs for Management and Cost-Sharing – Mr. Jason Hohlt
- 9:15 Soil Fertility and Nutrient Management for Sustainable Pastures – Dr. Larry Redmon
- 9:45 Clovers and Other Legumes to Enhance Sustainable Pastures – Dr. Gerald Smith
- 10:35 Herbicide Update and Implementation on Pastures – Dr. Vanessa Corriher-Olson
- 11:25 Management Strategies for Sustainable Pastures and Beef Systems – Dr. Monte Rouquette Jr.
- 8:30 **Nutritional Management: “How Much Should I Feed My Cattle?”**
– Rudder Forum (Dr. Jason Banta, Coordinator)
REPEAT ON TUESDAY
SPONSORED BY CARGILL ANIMAL NUTRITION, BIMEDA AND FRANKS MANUFACTURING
- This session will cover ways to improve forage and hay quality and how to design a cost effective supplementation program to optimize herd performance.
- 8:30 Cow-Calf Nutrition: Forage, Supplementation Considerations

- 8:30 **Cattle Breeding and Genetics I**
– MSC, Rm. 2406 (Dr. Joe Paschal and Dr. Andy Herring, Coordinators)
SPONSORED BY SOUTHERN LIVESTOCK STANDARD AND R.A. BROWN RANCH

- 8:30 Selection Objectives and Practices in Beef Breeding Cattle – Dr. Tommy Perkins
- 9:30 Hybrid Vigor in Breeds and Crosses – Dr. Bailey Engle
- 10:30 Recent History of Animal Breeding and Genetics – Dr. Todd Thrift

- 8:30 **Pesticide Applicator Re-certification (3 CEUs: 1 General, 1 IPM and 1 L&R)**
– Rudder Tower, Rm. 601 (Dr. Mark Matocha and Dr. Don Renchie, Coordinators)
SPONSORED BY ALIGARE AND CENTRAL LIFE SCIENCES

- 8:30 Texas Forage Foes: Managing Insects in Pastures and Rangelands – Mr. Jacob Wightman
- 9:30 Sprayer Calibration and Drift Management – Dr. Mark Matocha
- 10:30 Pesticide Laws & Regulations – Dr. Don Renchie

- 8:30 **Beef Cattle Health Management I (3.5 Vet CE)**
– Rudder Tower, Rm. 301 (Dr. Tom Hairgrove, Coordinator, and Mr. Chad Cummings)
SPONSORED BY ELANCO ANIMAL HEALTH, WRI OUTDOORS AND Y-TEX

- 8:30 Update of Packing Plant Study to Estimate the Prevalence and Geographical Distribution of Bovine Trichomoniasis in Texas – Mr. Jerry Bob Daniel, Ms. Hailey Shaw & Dr. Tom Hairgrove
- 9:30 Understanding Trace Mineral Needs of Cattle and Developing a Mineral Program – Dr. Steve Ensley
- 10:30 Update on Statewide Study to Evaluate Current Production Parasite Control Programs – Dr. Tom Hairgrove, Mr. Lane Dunn, Mr. Aaron Low, Ms. Megan Carter, Mr. Matthew March

- 8:30 **Ranching Around the World**
– MSC, Rm. 2404 (Ms. Odile Polanco Jimenez, Coordinator)
SPONSORED BY JC SMITH CO.

Ranchers from around the world will share their ranch production practices and the challenges they face with raising and marketing cattle.

- 12:00 **Lunch** (Served from 11:30 a.m. to 1:00 p.m.)
– MSC Bethancourt Ballroom
SPONSORED BY STATITE 50, PRODUCERS COOPERATIVE, RANCH HOUSE DESIGNS AND TEXAS DEPARTMENT OF AGRICULTURE

★★★ **Blue Bell Ice Cream – Rudder Exhibit Hall** ★★★
SPONSORED BY BOEHRINGER INGELHEIM

- 1:30 **General Session – Rudder Auditorium Rebuilding the Cow Herd**
Moderator – Dr. Jason Cleere
SPONSORED BY GRAHAM LAND AND CATTLE COMPANY AND MEMBERS OF THE AMERICAN BREEDS COALITION: BRAHMAN, BRAFORD, BRANGUS, BEEFMASTER, RED BRANGUS, SANTA GERTRUDIS AND SIMBRAH

- 1:30 Introduction – Dr. Jason Cleere
- 1:55 2024 Market Outlook: Cattle Prices and Input Costs – Mr. Randy Blach

- 2:55 Long-Range Weather Planning – Mr. Brian Bledsoe
- 3:35 What Can I Afford to Pay for a Replacement Female? – Dr. David Anderson
- 4:05 What Are My Replacement Female Options? – Dr. Ron Gill
- 4:35 Trade Show Time

- 5:30 **Texas Aggie Prime Rib Dinner**
– MSC Bethancourt Ballroom
SPONSORED BY NOLAN RYAN BRANDS, GRAHAM LAND AND CATTLE COMPANY, TEXAS FARM BUREAU AND TAMU DEPARTMENT OF ANIMAL SCIENCE

TUESDAY, AUGUST 6

- 6:30 a.m. Trade show opens with coffee and breakfast, compliments of **MERCK ANIMAL HEALTH, LIVESTOCK NUTRITION CENTER AND WESTWAY FEEDS**

CATTLEMAN'S COLLEGE SEMINARS CONCURRENT SESSIONS

- 8:30 **Introduction to Cattle Production II: 365 Days on a Ranch**
– Rudder Theatre (Dr. Jason Smith, Coordinator)
SPONSORED BY NUFARM, PROGRESSIVE CATTLE, ALIGARE AND HOUSTON LIVESTOCK SHOW AND RODEO

- 8:30 A Cattleman's Guide to Cow Body Condition – Dr. Jason Smith
- 10:00 Establishing and Maintaining Defined Calving and Breeding Seasons – Dr. Ryon Walker
- 11:15 Open Question and Answers – Dr. Ryon Walker and Dr. Jason Smith

- 8:30 **Beef Cattle Health Management II (3.5 Vet CE)**
– Rudder Tower, Rm. 301 (Dr. Tom Hairgrove, Coordinator, and Mr. Trumann Lamb)
SPONSORED BY ELANCO ANIMAL HEALTH, TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION AND Y-TEX

- 8:30 Foot Rot and Other Common and Uncommon Causes of Cattle Lameness – Dr. Rob Conley and Dr. Peter Wunderlich
- 9:30 Panel Discussion with Three Practicing Veterinarians and Three Cattle Producers with Audience Q&A – Dr. Tom Hairgrove, Dr. Rob Conley, Dr. Peter Wunderlich, Dr. Jake David, Mr. William Lipsey and Mr. Jimmy Downe

- 8:30 **Cattle Breeding and Selection II**
– MSC, Rm. 2406 (Dr. Joe Paschal and Dr. Andy Herring, Coordinators)
SPONSORED BY SOUTHERN LIVESTOCK STANDARD, J&J CATTLE AND BRIGGS RANCHES

- 8:30 Terminal Crossbreeding – Dr. Mark Thallman
- 9:30 DNA and Genomics: Past, Present and Future – Mr. A.J. Knowles
- 10:30 Genetic Trends in Beef Cattle – Dr. Bailey Engle

- 8:30 **Beef Cattle Research**
– MSC, Rm. 2404 (Dr. Andy Herring, Coordinator)
SPONSORED BY SPECIALIZED CROP INSURANCE AND GULF COAST CATTLEMAN

- 8:30 McGregor Research Center Overview – Dr. Ryon Walker
- 8:55 Administering the maternal bovine appeasing substance improves overall productivity and health in high-risk cattle during a 60-day feedlot receiving period – Ms. Shea Mackey

- 9:30 Administering a maternal appeasing substance before slaughter to improve carcass characteristics of finishing cattle – Mr. Nicholas Kertz
- 10:05 Innovative technologies in livestock phenotyping: The integration of boluses and GPS collars at Beeville Station – Dr. Hamad Saad
- 10:40 Heat tolerant cattle performance and grazing trait analysis at the Texas A&M AgriLife Center at Beeville – Ms. Ambree Sandell
- 11:15 Considerations of reciprocal effects among *Bos indicus-Bos taurus* crosses for global beef value chains – Dr. Andy Herring

- 8:30 **Reimagining Value in a Grazing Enterprise**
– Rudder Tower, Rm. 601 (Dr. Jacquelyn Prestegaard & Dr. Jeff Goodwin, Coordinators)
SPONSORED BY AGSOUTHWEST AND AG WORKERS

- 8:30 What to Get Right in a Grazing Lease – Mr. Stephen Diebel
- 9:00 Valuation of Ecosystem Services – Dr. Roel Lopez
- 9:30 Successful Strategies to Balance Beef Production and Ecosystem Services – Mr. Michael Vance
- 10:45 Panel: Reimagining Value Beyond Dollars of Live Weight Sold – Ms. Meredith Ellis, Ms. Deborah Clark, Ms. Belinda Richardson and Ms. Caitlin Hebbert

- 8:30 **From the Ground to Grazing: Mastering Soil Fertility & Forage Excellence (2 CEUs – 1 General, 1 IPM)** *REPEAT FROM TUESDAY*
– MSC, Rm. 2400 (Dr. Vanessa Corriher-Olson, Dr. Larry Redmon and Dr. Monte Rouquette, Coordinators)
SPONSORED BY CORTEVA AGRISCIENCE AND LONE STAR FEED AND FERTILIZER

- 8:30 **Nutritional Management: Minerals and Growing Cattle** – Rudder Forum (Dr. Jason Banta and Dr. Karl Harborth, Coordinators)
SPONSORED BY CARGILL ANIMAL NUTRITION, BIMEDA AND FRANKS MANUFACTURING

- 8:30 Mineral Supplementation for Cow-Calf and Stocker Operations – Dr. Jason Banta
- 10:15 Nutrition Strategies for Successful Heifer Development – Dr. Karl Harborth
- 10:45 How Much Can You Afford to Feed Weaned Calves and Stocker Cattle? – Dr. Jason Banta

- 12:00 **Lunch** (Served 11:30 a.m. to 1:00 p.m.)
– MSC Bethancourt Ballroom
SPONSORED BY FERAPPEASE, ELANCO ANIMAL HEALTH, ENVU AND JORGENSEN LAND AND CATTLE

★★★ **Blue Bell Ice Cream – Rudder Exhibit Hall** ★★★
SPONSORED BY BOEHRINGER INGELHEIM

- 1:30 **Farm to Fork: Finishing/Marketing Cattle on the Ranch**
– Rudder Forum (Ms. Rachel Cutrer and Dr. Rick Machen, Coordinators)
SPONSORED BY BRAHMAN COUNTRY BEEF AND TEXAS DEPARTMENT OF AGRICULTURE

- 1:30 Producer's View of Farm to Fork Marketing – How To Get Started and is it Economically Smart? – Mr. Jojo Carrales
- 2:30 Choosing and Working with Processors – Dr. Dustin Dean
- 3:15 Legal Considerations for Selling Beef – Ms. Andra Smith
- 4:00 Opportunities in the Texas Department of Agriculture Go Texan Program – Mr. Manuel Martinez

1:30 Landowner Rights: Legal Issues Facing Ranchers
– Rudder Theatre (Mrs. Tiffany Dowell Lashmet, Coordinator)

SPONSORED BY OAK CREEK FARMS, BRADY AND HAMILTON LLP, OK BRAND FENCING AND TEXAS FARM BUREAU

1:30 This session will cover new agricultural laws in Texas, agricultural estate planning, oil and gas law and finish with a lively Q&A time – Ms. Tiffany Dowell Lashmet, Mr. Garrett Courts and Mr. Kyle Weldon

1:30 AgTech: Leveraging Technology for Enhanced Ranch Profitability

– Rudder Tower, Rm. 601 (Mr. Egleu Mendes and Dr. Jacquelyn Prestegaard, Coordinators)

SPONSORED BY C-LOCK INC., VYTELLE, RANCBOT AND 406 BOVINE

1:30 Getting Serious About Sustainability – Dr. Meredith Harrison

2:10 AI Transforming Livestock Farming: Lore Case
– Mr. Leonardo Sa’

2:50 Data-Driven Feeding: Artificial Intelligence and Machine Vision to Improve Cattle Intake – Mr. Andrew McKenzie

3:30 Can Vision Technology Accelerate Precision Agriculture Progress in Livestock – Mr. Stuart MacLennan

4:10 Visionary Solutions: Enhancing Beef Cattle Welfare with FACE-ID Technology – Mr. Geoffrey Shmigelsky

4:30 AgTech in Genetic Selection and Reproductive Technology for Sustainable Beef Production – Mr. Grady Bishop

4:50 7,000 Ranchers Can’t be Wrong! Ask the Ranch Hand that Doesn’t Sleep! – Mr. Andrew Coppin

5:10 406 Bovine Facial Recognition Software for Cattle Identification – Mr. Bryan Elliott

1:30 Range Management Workshop: Common Rangeland Challenges and Solutions for Beef Cattle Producers

– MSC, Rm. 2406 (Dr. Barron Rector and Dr. Megan Clayton, Coordinators)

SPONSORED BY ENVU, SUNBELT CUSTOM MINERAL AND USDA NRCS

1:30 The Current “Climate” for Raising Beef Cattle: The Economics Behind Tough Decisions – Restocking the Herd, When to Wean, Feeding Versus Early Grazing

3:30 Adding Value to Your Rangeland: Real-World Example of Calf Profit on Modest-Size Properties, Ideas on Diversifying Your Income

1:30 Reproductive Management: Bulls and Budgets – Optimizing Health and Management for Profit

– MSC, Rm. 2400 (Dr. Bruce Carpenter, Coordinator)

SPONSORED BY BOVINE ELITE, ESTROTECT AND ELGIN BREEDING SERVICE

1:30 What Makes Bulls Work (or not) in the Pasture? – Dr. Bruce Carpenter

1:45 Winter of 2021 Freeze and Panhandle Bulls: Data Summary and What We Learned – Dr. Rob Conley

2:15 Bull Values on the Margin – Dr. David Anderson

3:15 Trichomonas: What You Need to Know and Latest Texas Epidemiological Survey – Dr. Thomas Hairgrove

4:15 Other Reproductive Diseases and Updates – Dr. Rob Conley

1:30 Control and Management of Itchy Critters: Flies, Gnats and Ticks (3 CEU Hours: 2 General and 1 IPM, 4 Vet CE)

– Rudder Tower, Rm. 301 (Dr. Tom Hairgrove, Coordinator)

SPONSORED BY HUVEPHARMA AND TARPON BLUE REAL ESTATE

1:30 Update on the Texas Fever Tick Program and Equine Piroplasmiasis in South Texas – Texas Animal Health Commission

2:30 Tick Control and Tick Borne Diseases: The Risks and Diagnosis of Bovine Anaplasmosis, Theileriosis and Babesiosis – Dr. Pete Teel and Dr. Tom Hairgrove

3:30 Flies Affecting Cattle, Their Impact on Cattle, and Control – Dr. Sonja Swiger and Dr. Tom Hairgrove

4:30 Farm and Ranch Level Biosecurity for Ticks and Accompanying Diseases – Dr. Samantha Hays, Ms. Hannah Walker and Dr. Tom Hairgrove

1:30 Purebred Cattle Marketing

– MSC, Rm. 2404 (Dr. Joe Paschal, Coordinator)

SPONSORED BY AMERICAN ANGUS ASSOCIATION AND NUTRITION PLUS

1:30 Genetic Merit Program – Dr. Tom Brinks

2:30 Digital Beef EPD Prediction – Dr. Joe Massey

3:30 Carcass Data Collection – Dr. Tommy Perkins

WEDNESDAY, AUGUST 7

7:30 a.m. Coffee and pastries at all meeting locations.

SPONSORED BY BEEF ON FORAGE BEEFMASTER BULL SALE AND AUTO EASY FEEDER

CATTLEMAN’S COLLEGE SEMINARS

CONCURRENT WORKSHOPS and LIVE DEMONSTRATIONS

7:00 Fence Building Demonstration

– TAMU O.D. Butler Complex/Beef Cattle Center

SPONSORED BY STATITE 50

Session will cover different types of fencing materials and designs. Learn how to build pipe and wood stretch sections and string multiple types of wire during this demonstration.

8:30 Cow Reproduction Demonstrations (4 Vet CE)

– TAMU O.D. Butler Complex/Beef Cattle Center (Dr. Tom Hairgrove, Dr. Ky Pohler and Dr. Rodolfo Cardoso, Coordinators)

SPONSORED BY BOVINE ELITE, TRANS OVA AND ESTROTEC

8:30 Three Simultaneous Rotating Hourly Demonstrations:

- Bull Breeding Soundness Exam
- Methods of Pregnancy Diagnosis in Cattle
- Toxic Plants Associated with Reproductive Failure

8:30 Ag Tech Workshop - Hands on Experience with Cattle Tech.

– TAMU Thomas G. Hildebrand Equine Complex (Mr. Egleu Mendes and Dr. Jacquelyn Prestegaard, Coord.)

SPONSORED BY C-LOCK INC., VYTELLE, RANCBOT AND 406 BOVINE

8:30 VENCE®: Virtual Fencing for Livestock Management – Mr. Donnell Brown and Ms. McCalley Cunningham

9:30 406 Bovine - Facial Recognition for Livestock – Mr. Bryan Elliott

10:30 Ranchbot: Monitoring Water and Pumps Remotely – Mr. Andrew Coppin

11:30 C-Lock: Measure and Control Feed Intake and Emissions – Ms. Meredith Harrison

8:30 Brush Busters Demonstration (3 CEUs: 3 General)

– TAMU Thomas G. Hildebrand Equine Complex Arena (Dr. Barron Rector and Dr. Megan Clayton, Coordinators)

SPONSORED BY CORTEVA AGRISCIENCE, INDEPENDENT CATTLEMEN’S ASSOCIATION AND W4 RANCH

Integrated brush control using Brush Busters approaches, equipment and cut-stump treatments. This session will also cover how to manage and control Mesquite, Huisache, Prickly Pear, Honey Locust, Greenbriar and others.

8:30 Cattle Handling Demonstrations – TAMU Thomas G. Hildebrand Equine Complex Arena (Dr. Bruce Carpenter and Dr. Ron Gill, Coordinators)

SPONSORED BY WRI OUTDOORS, POSITIVE FEED AND AUTO EASY FEEDER

This session will focus on developing the handler’s sense about when to apply pressure and how much pressure to apply to get cattle to work smoother and with less stress. Proper cattle trailer loading techniques will also be demonstrated.

8:30 Beef Cattle Business Management Workshop

– TAMU Thomas G. Hildebrand Equine Complex Bldg. 177 (Dr. David P. Anderson and Mr. Pancho Abello, Coordinators)

SPONSORED BY CATTLEMATX SOFTWARE AND GULF COAST CATTLEMAN

8:30 Ranch Record Keeping: Where to Start, What to Keep, and Making Informed Decisions – Mr. Terrell and Ms. Penny Miller

9:20 Working with Your Banker: What You Need and What to Ask – Mr. Ben Wilson, Ms. Lyndi Sanders, Mr. Jake Surman and Mr. Matt Goodson

10:25 Cattle Tax and Management Accounting Update 2024 – Mr. Arty Brieden, Ms. Courtney Hendrick, Ms. Hannah Jenkins and Mr. Justin Reeves

8:30 Beef Carcass Value Determination Workshop

– Rosenthal Meat Science Center (Dr. Davey Griffin, Dr. Dan Hale and Dr. Drew Cassens, Coordinators)

SPONSORED BY TEXAS BEEF COUNCIL, THE EAGLE LAND AND LIVESTOCK POST AND DIAMOND H BRAUNVIEH

8:30 Feeder Calf to Carcass Grid

9:00 Carcass Grading

9:30 Live Cattle Evaluation and Grid Marketing

10:00 Review Live Video of Finished Cattle

10:30 View Carcasses from the Four Steers

11:00 Carcass to Boxed Beef Cuts: Where is the Value?

8:30 Beef Cattle Chute Side Demonstration

– Louis Pearce Pavilion (Dr. Jason Banta, Dr. Jason Smith and Dr. Karl Harborth, Coordinators)

SPONSORED BY TRANS OVA AND AXIOTA MULTIMIN

Live Animal Demonstrations Covering Basic Management Practices with Emphasis on Beef Quality Assurance.

• *Station 1:* Vaccination Considerations, Needle and Syringe Selection – Dr. Jason Banta and Dr. Rick Machen

• *Station 2:* Castration and Implants – Dr. Jason Smith and Dr. Ryon Walker

• *Station 3:* Animal Identification – Hot Iron Branding, Freeze Branding and Ear Tags – Mr. Bryan Davis and Dr. Karl Harborth

12:00 Optional Picolinic Acid Training – Registration Required at the Envu Booth (1 CEU)

– TAMU Thomas G. Hildebrand Equine Complex Bldg. 177 (Dr. Megan Clayton, Coordinator)

12:00 Beef Cattle Short Course 2024 – Adjourned

★ **THE NEXT BCSC IS SCHEDULED FOR AUGUST 4-6, 2025** ★



70th Annual Texas A&M Beef Cattle Short Course
AUGUST 5-7, 2024

Texas A&M University
<http://beefcattleshortcourse.com>

Coordinated by:
TEXAS A&M AGRILIFE EXTENSION



TEXAS A&M UNIVERSITY
Animal Science

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