Welcome to the 70th Annual Texas A&M Beef Cattle Short Course



Howdy and welcome to the 70th Annual Texas A&M Beef Cattle Short Course. The past year has presented Texas ranchers with quite a few challenges. While the cattle market has seen record highs, production costs have steadily risen. In terms of weather, the eastern half of Texas has been blessed with some much-needed rain and lush green grass, while the western region has grappled with yet another drought.

Last year, we anticipated a rebuilding year, but the widespread drought across much of the state prolonged the herd reduction cycle. Similar to last year, we have comparable concerns as we venture into the upcoming years of the cattle business. How long will the current cattle market endure? How rapidly will we rebuild? What will the weather be like in the next year? What technology can I utilize to enhance the efficiency of my operation and reduce input costs? These are all topics that will be addressed during the 2024 short course. The Beef Cattle Short Course has a longstanding tradition of imparting pertinent cattle production information to ranchers year after year, and 2024 is no exception.

For 69 years, this program has stood as the foremost beef cattle educational event in Texas and has since grown to become one of the largest in the U.S. It is organized by Texas A&M AgriLife Extension Beef Cattle Specialists and hosted by the Texas A&M University Department of Animal Science.

Our great state is home to over 130,000 beef cattle operations, all of which are vital to the Texas A&M University System (Teaching, Texas A&M AgriLife Research, and Texas A&M AgriLife Extension) and to the Texas economy. Our annual goal is to bring together the leading beef cattle researchers, educators, and industry leaders to address the most current issues and to provide you with cutting-edge, unbiased information for your beef cattle operations.

Please take time to visit the exhibitors in the virtual trade show and thank the sponsors for their support. We especially thank Capital Farm Credit again this year for their continued generous sponsorship of the 70th Annual Texas A&M Beef Cattle Short Course Proceedings. Also, take some time to visit the local businesses here in the College Station community.

The Beef Cattle Short Course is one of many beef cattle educational programs that Texas A&M AgriLife Extension conducts at the local, county, and regional levels all year long. Contact your local county Extension agent's office for more information about educational programs in your area or any Extension Specialist.

Thank you for participating in this year's program and we hope to see you again next year. You may contact us at 2471 TAMU, College Station, TX 77843-2471 or at (979) 845-6931, or visit our web site at https://beefcattleshortcourse.com/

Dr. Jason Cleere

Conference Coordinator

Texas A&M AgriLife Extension Beef Cattle Specialist









The 2024 Texas A&M Beef Cattle Short Course is dedicated to

Dr. Davey Griffin

Davey Griffin, Ph.D., is a Professor and Extension Meat Specialist in the Texas A&M University Department of Animal Science. Dr. Davey Griffin is a native of Corsicana, Texas, and attended Texas A&M University where he graduated with three degrees in Animal Science: B.S. in 1979, M.S. in 1981, and Ph.D. in 1989. Dr. Griffin judged on the Texas A&M University Meat Judging Team in 1976. Coaching multiple teams as a graduate student is rare at Texas A&M, but when the need arose, Dr. Griffin answered the call. He coached TAMU's 1983, 1984, and 1986 teams. They won many contests, including the 1983 International. Even throughout his career, Dr. Griffin has been dedicated to meat judging. Hundreds of undergraduate students and dozens of graduate student coaches have come through the meat judging program during his tenure. During his time as coordinator of the Texas A&M Meats Judging Program, he oversaw seven national championship teams, countless high individuals, and other honors. However, the most important part of Dr. Griffin's contribution has been to help students and coaches grow as young professionals.

Dr. Griffin began working as an Extension Meat Specialist in the Department of Animal Science at Texas A&M University in 1989. Griffin's primary role as an Extension Meat Specialist is serving as a liaison between industry, commodity groups, medical and dietary professionals, and Extension personnel to provide research information and technology. His key program and interest areas include cutability and composition of carcasses associated with value-based marketing, current consumer issues concerning meat and meat products, youth development, and cooperative research projects. As a Meat Specialist, he works



with all animal proteins. Still, his passion for the beef industry is evidenced by the many impactful educational programs and research that he has conducted in the past 35 years.

Dr. Griffin is best known for the Beef 101 program. The first Beef 101 was conducted in 1989, primarily for the Texas Beef Council, to help its staff members learn more about the



products they would be promoting as TBC was a rather new entity at that time. Word caught on about the value of the first program so a second one was held the next year. Today, there are now four Beef 101s held each year, all sold out well in advance, with thousands of people from all over the world participating in these outstanding hands-on programs. Dr. Griffin's role in coordinating these workshops over all of these years has helped make them so successful.



In recent years, Dr. Griffin has been internationally recognized as one of the three "Texas A&M University Brisketeers". The trio of Texas A&M University Meat Science leaders, Dr. Jeff Savell, Griffin, and Mr. Ray Riley have been teaching the science and art of barbeque for over 10 years and are sought out as international experts in this field. Dr. Griffin and his colleagues have received tremendous press coverage for their workshops, Barbecue Summer Camp and Camp Brisket. These camps are held in conjunction with Foodways Texas, an entity that is based in the American Studies program

at the University of Texas at Austin. The audience for these camps is quite different from our traditional livestock/meat extension programs, and the opportunity to reach people from such different walks of life helps us greatly as we look for program support from a diverse group in the future. They have connected with some of the best pitmasters across Texas to showcase the art of barbecue. They have been featured on ESPN Gameday and other national media platforms. Dr. Griffin and the Brisketeers have certainly contributed to the Texas Barbeque obsession, which increases demand for beef and ultimately adds value to cattle for ranchers.

Dr. Griffin's longtime service to two of the largest livestock shows around, the Houston Livestock Show and Rodeo and the San Antonio Livestock Exhibition, show his commitment to these two organizations and their missions of supporting the youth of this state. He has served in a variety of superintendent roles in the market barrow show, steer carcass show, and meat judging contests, and he spends considerable time collecting carcass data after the shows are over so that exhibitors can learn more about the animals they showed. Each spring, Dr. Griffin helps conduct several 4-H/FFA meat judging workshops and contests on campus and across the state. He has been the co-coordinator of the Texas FFA Meat Career Development Events at Texas A&M University since 1989, which include both Area Qualifying and State FFA Contests. Because of his expertise in this area, he also serves as a member of the National 4-H Meat Judging Advisory Committee. No one has impacted as many youth through these programs as Dr. Griffin.



Dr. Griffin has been an intricate member of the modern-day BCSC since it was restarted in 1991 by Dr. Larry Boleman. Dr. Boleman inherited a historic extension program that had fallen on difficult times and was in debt with expenses. To reduce expenses, the reinvented BCSC was held on the ground floor of the Kleberg Center with no rental expense. To further minimize expenses, the Rosenthal Meats Center, under Dr. Griffin's leadership would provide meals. Those meals were very minimal

consisting of sandwiches served by Dr. Griffin and the meat lab staff and they would continue to supply the meals for the next three years. After 3 years of increasing participation in the Kleberg Center, Dr. Boleman moved the BCSC to Rudder to accommodate the growing number of participants. There, the daily meals were provided by the Memorial Student Center Food Service Staff with no Monday evening meal. In 1994, Drs. Boleman and Griffin collaborated with the Texas Beef Council to cook a prime rib dinner for Monday night, to both hold the huge crowd together and to honor the beef industry and the producer attendees. Dr. Griffin partnered with Tom Perini of Perini Ranch Steakhouse to smoke the prime ribs just outside of the Rudder building on the Texas A&M campus. The Short Course continued to grow and after the second year of smoking under the trees of Rudder, Dr. Griffin decided to move to the Rosenthal Meat Science Center smokehouses in 1996. The prime rib dinner became so popular, especially with the inclusion of university invitee participation, that it later became known as the famous "Texas





Aggie Prime Rib Dinner." The dinner has been featured on the Texas Bucket List television series and hosted several celebrity chiefs in recent years. Ever since the first BCSC Prime Rib Dinner in Rudder Tower, Dr. Griffin has personally smoked over 130 prime ribs for every annual BCSC in the modern era of the TAMU Beef Cattle Short Course. This amounts to nearly 4,000 prime ribs personally prepared and served by Dr. Griffin, the Rosenthal Meats Lab staff, animal science graduate students, and the Fighting Texas Aggie Meats Judging Team. Dr. Griffin has also been co-coordinator for the Beef Carcass Value Demonstration at the Short Course for more than 25 years as well as contributing to other Cattleman's College Sessions.

Dr. Griffin's awards and honors are numerous. He has received the Texas Agricultural Extension Service Team Superior Service Awards for the Ranch to Rail Program (1993) and Beef 101 Program (1996); Texas A&M University College of Agriculture and Life Sciences Awards for Team Extension for the Ranch to Rail Program (1994) and for the Beef 706 program (1996), and for Team Research for the Beef CARDS program (1994); Texas A&M University, College of Agriculture and Life Sciences and Texas Agricultural Extension Service Family and Consumer Service Specialist Award for Effective Training for Food Protection Management Program (1996); Texas Pork Producers Association Industry Service Award (2005); American Meat Science Association Achievement Awards (1997), American Meat Science Association Distinguished Extension-Industry Service Award (2008), Signal Service Award and AMSA Fellow (2013), the North American Meat Processors Association Harry L. Rudnick Educator of the Year Award (2010), and the American Meat Science Association Intercollegiate Meat Judging Meritorious Service Award (2018). Most recently, Dr. Griffin was awarded the Texas FFA Distinguished Service award at the 2024 Texas FFA Convention. These awards reflect not only Dr. Griffin's individual achievements but also his work as a member of several teams of scientists and educators who have made significant accomplishments addressing many important issues for the livestock and meat industries.

Dr. Griffin is married to Sandy and they have two children, Garrison Kickham and Logan Maas who are both graduates of Texas A&M University. We thank Dr. Davey Griffin for his service to the Texas beef cattle industry and we are honored to dedicate the 2024 Texas A&M Beef Cattle Short Course to Dr. Davey Griffin.







Planning Committee and Speakers

Dr. Jason Cleere Conference Coordinator

Amy Carwile Tom Hairgrove Andy Herring Tracy Tomasik **Barron Rector** Tyler Graham Billy Bielamowicz Vanessa Corriher-Olson **Bruce Carpenter** Victoria Heller Milt Thomas Bryan Davis Carole Arriaga Tommy Perkins Charles Graham Linda Galayda Chel Terrell Rick Avery Dan Hale Victoria Benavides H. C. Neel Davey Griffin **David Anderson** Kara Matheney Don Renchie Rodolfo Cardosa **Donnell Brown Emily Lochner** E.C. Larkin Jennifer Houston Glennon Mays **Chad Caperton** Jason Bagley Doug Tolleson Jason Banta Julie Howe Jason Smith Frank Baca Jim Banner Zach Howard Joani Groce Lance Bauer Joe Paschal A.J. Knowles Kenton Krueger Jonathan Cammack Kristi Cleere Jacquelyn Prestegaard Ky Pohler Jeff Goodwin Larry Boleman Billy Cook Larry Redmon Myriah Johnson Lynn Wiggs Chad Ellis Mark Matocha Bob McCan Martha Garrett John Grange Megan Clayton Anthony Netardus Molly McAdams **Shannon Deforest** Monte Rouquette **Dwight Sexton** Pat Shields Dale Rankin Penny Miller John Hutcheson Pete Teel Jeff Savell

Pancho Abello Arty Brieden Jodi Jones Hannah Schulz Justin Reeves Bryan Elliott **Chad Cummings** Jerry Bob Daniel Hailey Shaw Jacob Wightman Randy Blach Brian Bledsoe Ryon Walker Rob Conley Peter Wunderlich Trumann Lamb Shea Mackey Nicholas Kertz Hamad Saad Ambree Sandell Stephen Diebel Roel Lopez Michael Vance Meredith Ellis Deborah Clark Belinda Richardson Caitlin Hebbert Jojo Carrales Kyle Weldon Egleu Mendes Meredith Harrison Leonardo Sa' Andrew McKenzie Stuart Maclennan

Geoffrey Shmigelskey

Grady Bishop

Reinaldo Cooke Rick Machen Ron Gill Shawn Ramsey Sonja Swiger Stephen Senkel Steve Hammack Terrell Miller Tiffany Lashmet **Emilie Baker** Odile Polanco Rhonda Miller **Andrew Coppin** Ray Smith Luke Ellis Natalie Cavellier Andy Schwartz Fernanda Rezende Jake Surmon Matt Goodson Arty Brieden Courtney Hendrick Scott McElfresh Jason Hendricks Heather Bush **Drew Cassens** Rachel Cutrer Ray Riley Gerald Smith Kevin Washburn **Dustin Dean** Karl Harborth Hannah Walker Ben Wilson Lyndi Sanders

History of the Texas A&M Beef Cattle Short Course

The Texas A&M Beef Cattle Short Course has a rich tradition and historical place in the programs emanating from the Department of Animal Science at Texas A&M University. Dating back as far as 1942, Professor John K. Riggs started the first in a series of Beef Cattle Short Courses held on the campus of Texas A&M College to discuss the results of beef cattle research from the Texas Agricultural Experiment Station with Texas beef producers. This historical beginning and purpose is still the standard today for the Beef Cattle Short Course held at Texas A&M University.

Since its inception, 69 beef short courses have been held on an annual basis except during the World War II years and a few years in the 1980s when the short courses were replaced with more targeted and disciplined subject matter and audiences.





Professor Riggs chaired the short courses through the 1950s. Then, State Beef Cattle Specialist, L. A. Maddox, Jr., took over and chaired through the late 1960s. John R. Beverly, Extension Animal Reproduction Specialist, began conducting the program when Dr. O. D. Butler, then Head of the Animal Science Department, thought it would be best to have a joint species meeting in the new Rudder Tower Complex, and called it the Animal Agriculture Conference in the early 1970s. Prior conferences were held in the Memorial Student Center Ballroom before having to move to the Ramada Inn until the Rudder Tower Complex opened.

With the name change, and the time of year for the meeting changed to January, the beef cattle producer participation began to decline. Although the beef program for the Animal Agriculture Conference was well-defined and exceptionally well-planned, the beef participation continued to decline to the point where the conference suffered and the Animal Agriculture Conference concept was abandoned.

More directed beef subject matter (e.g. meat science, reproduction, nutrition, breeds, etc.) conferences took its place during the late 1980s, but never had the appeal across the board to producers that attended the original Beef Cattle Short Courses, traditionally held in August. In 1990, Animal Science Department Head Dr. Gary C. Smith, asked Dr. Larry Boleman, Extension Beef Cattle Specialist, to take over the planning and implementation to revive the traditional Beef Cattle Short Course.

Dr. Boleman used his Extension planning experiences and approach to involve as many people from all beef-related agencies, organizations, and associations to help plan the re-make of the historically popular and traditional Beef Cattle Short Course. In the first year (1991), 350 participants attended, with 700 attendees the following



Dr. O. D. Butler and Dr. Larry L. Boleman

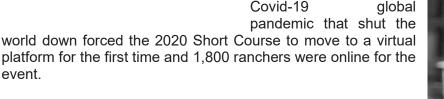


Dr. Larry L. Boleman and Dr. Jason Cleere

year, and then 850 attended, breaking all previous existing records. The first two of these meetings were held in the Kleberg Center and because of the huge crowds, the meetings were moved to Rudder Theater and Auditorium.

In 1994, 1,100 beef cattle producers attended, and its popularity spread across the United States and internationally, with a high attendance of 2,000 participants in 1995 under Dr. Boleman's leadership. In 2005, Dr. Jason Cleere, Associate Professor and Extension Beef Cattle Specialist, became the Conference Coordinator and since then over 1,900 beef producers have

attended annually. The 2019 attendance grew to 2,300 participants and broke the record that was set in 2018. The 2020 Covid-19 pandemic that shut the



platform for the first time and 1.800 ranchers were online for the event.

Today, the highly respected TAM Beef Cattle Short Course is nationally and internationally recognized as the largest attended beef cattle educational program of its type in the world. It has gained the respect of all organizations, associations, Land Grant Universities, and agencies alike as the focal point for beef cattle educational information.



Over 130 agri-related businesses and trade show exhibitors annually attend the course and attest to the fact that it is the most highly attended activity of its type anywhere in the United States. The entire TAMU System supports this activity with the TAMU Chancellors and Presidents often attending the Prime Rib Dinner.

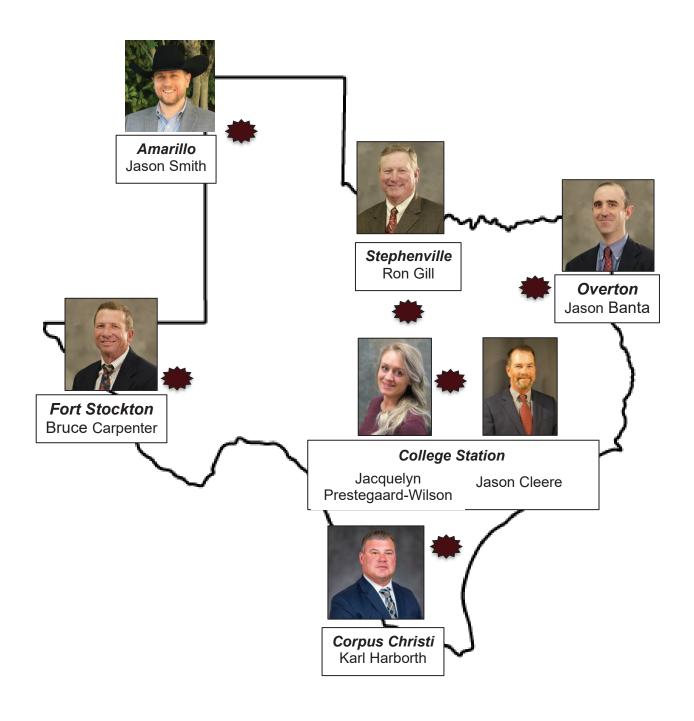




Cattle working at the 2022 Short Course and prime rib smoking demonstrations at the 2020 Virtual Short Course



BEEF AND LIVESTOCK SPECIALISTS



http://beef.tamu.edu

Please visit our store next to the registration desk to purchase Texas A&M BEEF CATTLE Short Course Merchandise!







Save the Date!



- Onsite Registration and Registered Participants May Pick Up Their Conference Materials. 8
 - Texas Purebred Cattle Alliance Annual Meeting MSC, Rm. 2404 3:00

MONDAY, AUGUST 5

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

SPONSORED BY JORGENSEN LAND & CATTLE AND JC SMITH CO.

CATTLEMAN'S COLLEGE SEMINARS

CONCURRENT SESSIONS

- Rudder Theatre (Dr. Jason Smith and Dr. Karl Harborth, Introduction to Cattle Production I Coordinators) 8:30
- SPONSORED BY CAPITAL FARM CREDIT AND LYSSY & ECKEL INC.
- 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) 3:30

REPEAT ON TUESDAY

SPONSORED BY CORTEVA AGRISCIENCE AND LONE STAR FEED AND FERTILIZER

- USDA-NRCS Programs for Management and Cost-Sharing 8:30
- Mr. Jason Hohlt Soil Fertility and Nutrient Management for Sustainable Pastures Dr. Larry Redmon 9:45
 - Clovers and Other Legumes to Enhance Sustainable Pastures Dr. Gerald Smith
 - Herbicide Update and Implementation on Pastures 10:35
- Dr. Vanessa Corriher-Olson Management Strategies for Sustainable Pastures and Beef Systems Dr. Monte Rouquette Jr. 11:25
- 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.

Cow-Calf Nutrition: Forage, Supplementation Considerations 8:30

- MSC, Rm. 2406 (Dr. Joe Paschal and Dr. Andy Herring, Cattle Breeding and Genetics I 8:30
- SPONSORED BY SOUTHERN LIVESTOCK STANDARD AND R.A. BROWN RANCH
- Selection Objectives and Practices in Beef Breeding Cattle 8:30
- Dr. Tommy Perkins
 Hybrid Vigor in Breeds and Crosses Dr. Bailey Engle
 Recent History of Animal Breeding and Genetics Dr. Todd 10:30 9:30

Pesticide Applicator Re-certification (3 CEUs: 1 General, 1 IPM and 1 L&R) 8:30

- Rudder Tower, Rm. 601 (Dr. Mark Matocha and Dr. Don Renchie, Coordinators)
 - SPONSORED BY ALIGARE AND CENTRAL LIFE SCIENCES
- Texas Forage Foes: Managing Insects in Pastures and Rangelands – Mr. Jacob Wightman 8:30
- Sprayer Calibration and Drift Management Dr. Mark Matocha Pesticide Laws & Regulations Dr. Don Renchie 9:30 10:30
- - Beef Cattle Health Management I (3.5 Vet CE) 8:30

– Budder 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 if Bovine Trichomoniasis in Texas Mr. Jerry Bob Daniel, Ms. Hailey Shaw & Dr. Tom
 - Understanding Trace Mineral Needs of Cattle and 9:30
- Developing a Mineral Program Dr. Steve Ensley Update on Statewide Study to Evaluate Current Production Parastiac Control Programs Dr. Tom Hairgrove, Mr. Lane Dunn, Mr. Aaron Lower, Ms. Megan Carter, Mr. Matthew 10:30

Ranching Around the World 8:30

- 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.
- Lunch (Served from 11:30 a.m. to 1:00 p.m.) 12:00

- 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

General Session - Rudder Auditorium 8

Moderator - Dr. Jason Cleere Rebuilding the Cow Herd

- AND MEMBERS OF THE AMERICAN BREEDS COALITION: BRAHMAN, BRAFORD, BRANGUS, BEFFMASTER, RED BRANGUS, SPONSORED BY GRAHAM LAND AND CATTLE COMPANY SANTA GERTRUDIS AND SIMBRAH
- Introduction Dr. Jason Cleere 2024 Market Outlook: Cattle Prices and Input Costs Mr. Randy Blach 1:55

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

4:05 4:35 Texas Aggie Prime Rib Dinner - MSC Bethancourt Ballroom 5:30

GRAHAM LAND AND CATTLE COMPANY, TEXAS FARM BUREAU AND TAMU DEPARTMENT OF ANIMAL SCIENCE SPONSORED BY NOLAN BYAN BRANDS,

FUESDAY, AUGUST 6

Trade show opens with coffee and breakfast, compliments of Merck Animal Health, Livestock 6:30 a.m.

NUTRITION CENTER AND WESTWAY FEEDS

CATTLEMAN'S COLLEGE SEMINARS CONCURRENT SESSIONS Introduction to Cattle Production II: 365 Days on a

8:30

- SPONSORED BY NUFARM, PROGRESSIVE CATTLE, ALIGARE AND - Rudder Theatre (Dr. Jason Smith, Coordinator) 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
- Rudder Tower, Rm. 301 (Dr. Tom Hairgrove, Coordinator, and Mr. Trumann Lamb) Beef Cattle Health Management II (3.5 Vet CE) 8:30

SPONSORED BY ELANCO ANIMAL HEALTH, TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION AND Y-TEX

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

Cattle Breeding and Selection II 8:30

- MSC, Rm. 2406 (Dr. Joe Paschal and Dr. Andy Herring, Coordinators)

SPONSORED BY SOUTHERN LIVESTOCK STANDARD, J&J CATTLE AND BRIGGS RANCHES

- Terminal Crossbreeding Dr. Mark Thallman DNA and Genomics: Past, Present and Future Mr. A.J. 8:30
- Genetic Trends in Beef Cattle Dr. Bailey Engle 10:30
- **Beef Cattle Research** 8:30
- MSC, Rm. 2404 (Dr. Andy Herring, Coordinator) SPONSORED BY SPECIALIZED CROP INSURANCE AND GULF COAST CATTLEMAN
- McGregor Research Center Overview Dr. Ryon Walker Administering the maternal bovine appeasing substance improves overall productivity and health in high-risk cattle during a 60-day leedfor receiving period Ms. Shea Mackey 8:30

- Administering a maternal appeasing substance before slaughter to improve carcass characteristics of finishing cattle Mr. Nicholas Kertz 9:30
 - Innovative technologies in livestock phenotyping: The integration of boluses and GPS collars at Beeville Station Dr. Hamad Saad 10:05
- Heat tolerant cattle performance and grazing trait analysis at the Texas A&M AgriLife Center at Beeville Ms. Ambree 10:40
- Considerations of reciprocal effects among Bos indicus-Bos taurus crosses for global beef value chains Dr. Andy Herring 11:15
- Reimagining Value in a Grazing Enterprise Rudder Tower, Rm. 601 (Dr. Jacquelyn Prestegaard & Dr. Jeff Goodwin, Coordinators) 8:30

SPONSORED BY AGSOUTHWEST AND AG WORKERS

- 8:30 9:00 9:30
- What to Get Right in a Grazing Lease Mr. Stephen Diebel Valuation of Ecosystem Services Dr. Roel Lopez Successful Strategies to Balance Beef Production and Ecosystem Services Mr. Michael Vance Panel: Remagning Value Beyond Dollars of Live Weight Sold Ms. Meredith Ellis, Ms. Deborah Clark, Ms. Belinda Richardson and Ms. Catillin Hebbert 10:45
- From the Ground to Grazing: Mastering Soil Fertility & Forage Excellence (2 CEUs 1 General, 1 IPM) REPEAT FROM TUESDAY MSC, Rm. 2400 (Dr. Vanessa Corriber-Olson, Dr. Larry Redmon and Dr. Monte Rouquette, Coordinators) 8:30

SPONSORED BY CORTEVA AGRISCIENCE AND Lone Star Feed and Fertilizer

Nutritional Management: Minerals and Growing Cattle - Rudder Forum (Dr. Jason Banta and Dr. Karl Harborth, Coordinators) 8:30

SPONSORED BY CARGILL ANIMAL NUTRITION, BIMEDA AND FRANKS MANUFACTURING

- Mineral Supplementation of Cow-Calf and Stocker Operations Dr. Jason Banta Nutrition Strategies for Successful Heifer Development 8:30
 - 10:15
- Dr. Karl Harborth How Much Can You Afford to Feed Weaned Calves and Stocker Cattle? Dr. Jason Banta 10:45
- **Lunch** (Served 11:30 a.m. to 1:00 p.m.) 12:00

- MSC Bethancourt Ballroom

SPONSORED BY FERAPPEASE, ELANCO ANIMAL HEALTH, ENVU AND JORGENSEN LAND AND CATTLE

*** Blue Bell Ice Cream - Rudder Exhibit Hall ***

Farm to Fork: Finishing/Marketing Cattle on the SPONSORED BY BOEHRINGER INGELHEIN 1:30

Rudder Forum (Ms. Rachel Cutrer and Dr. Rick Machen, Coordinators)

SPONSORED BY BRAHMAN COUNTRY BEEF AND TEXAS DEPARTMENT OF AGRICULTURE

- Producer's View of Farm to Fork Marketing How To Get 93 2:30 3:15 4:00
- Started and is it Economically Smart?—Mr. Jojo Carrales Choosing and Working with Processors Dr. Dustin Dean Legal Considerations for Smith Beef Ms. Andra Smith Opportunities in the Texas Department of Agriculture Go

 – Rudder Theatre (Mrs. Tiffany Dowell Lashmet, Coordinator) SPONSORED BY OAK CREEK FARMS, BRADY AND HAMILTON LLP, OK BRAND FENCING AND TEXAS FARM BUREAU 9

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

AgTech: Leveraging Technology for Enhanced Ranch Profitability 8

SPONSORED BY C-LOCK INC., VYTELLE, RANCHBOT AND 406 BOVINE - Rudder Tower, Rm. 601 (Mr. Egleu Mendes and Dr. Jacquelyn Prestegaard, Coordinators)

Getting Serious About Sustainability - Dr. Meredith Harrison

Al Transforming Livestock Farming: Lore Case 1:30

Data-Driven Feeding: Artificial Intelligence and Machine Vision for Innprove Catell Intake – Mr. Andrew McKenzie Gan Vision Technology Accelerate Precision Agriculture Progress in Livestock – Mr. Stuart Macleman Visionary Solutions: Enhancing Beef Catel Welfare with FACE-ID Technology – Mr. Geoffrey Shmigslsky Agreeh in Genetic Selection and Reproductive Technology for Sustainable Beef Production – Mr. Grady Bishop 7,000 Ranchers Can't be Wirongl Ask the Ranch Hand that Doesn't Sleep! – Mr. Andrew Coppin 406 Bowine Facial Recognition Software for Cattle Identification – Mr. Bryan Elliott 2:50 3:30

4:10 4:30 4:50 5:10

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

XIV

- MSC, Rm. 2406 (Dr. Barron Rector and Dr. Megan Clayton,

SPONSORED BY ENVU, SUNBELT CUSTOM MINERAL

AND USDA NRCS

Economics Behind Tough Decisions – Restocking the Herd, When to Wean, Feeding Versus Early Grazing Adding Value to Your Rangeland: Real-World Example of Calf Profit on Modest-Size Properties, Ideas on Diversifying The Current "Climate" for Raising Beef Cattle: The 8

3:30

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

SPONSORED BY BOVINE ELITE, ESTROTECT AND ELGIN BREEDING SERVICE – MSC, Rm. 2400 (Dr. Bruce Carpenter, Coordinator)

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

Winter of 2021 Freeze and Panhandle Bulls: Data Summary 1:45

and What We Leamed – Dr. Rob Conley
Bull Values on the Margin – Dr. David Anderson
Trichononas: What You Need to Know and Latest Texas
Epidemiological Survey – Dr. Thomas Harigrove
Other Reproductive Diseases and Updates – Dr. Rob Conley 2:15

4:15 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

Update on the Texas Fever Tick Program and Equine Piroplasmosis in South Texas – Texas Animal Health

9

3:30

4:30

Purebred Cattle Marketing ္ပ - MSC, Rm. 2400 (Dr. Joe Paschal, Coordinator)

SPONSORED BY AMERICAN ANGUS ASSOCIATION AND NUTRITION PLUS

Genetic Merit Program – Dr. Tom Brinks Digital Beef EPD Prediction – Dr. Joe Massey Carcass Data Collection – Dr. Tommy Perkins 1:30 2:30 3:30

7:30 a.m. Coffee and pastries at all meeting locations.
Sponsonep by Beef On Forace Beermaster Bull Sale and Auto Easy Feeder

CATTLEMAN'S COLLEGE SEMINARS

Fence Building Demonstration 2:00

CONCURRENT WORKSHOPS and LIVE DEMONSTRATIONS

- 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.

Cow Reproduction Demonstrations (4 Vet CE)

8:30

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

SPONSORED BY BOWNE ELITE, TRANS OVA AND ESTROTEC

Three Simultaneous Rotating Hourly Demonstrations:

• Bull Breeding Soundness Exam 8:30

Methods of Pregnancy Diagnosis in Cattle
 Toxic Plants Associated with Reproductive Failure

- TAMU Equine Nutrition Center (Mr. Egleu Mendes and Dr. Jacquelyn Prestegaard, Coordinators) Ag Tech Demonstrations: The Future is Now! 8:30

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

VENCE® Virtual Fencing for Livestock Management
—Mr. Domella Brown and Ms. McCalley Cunningham
Ranchbot: Monitoring Water and Pumps Remorely
—Mr. Andrew Coppin 8:30 9:30

PC-Lock: Measure and Control Feed Intake and Emissions 10:30

Brush Busters Demonstration (3 CEUs: 3 General)

8:30

- 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

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

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

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.

Beef Cattle Business Management Workshop

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

Ranch Record Keeping: Where to Start, What to Keep, and Making Informed Decisions – Mr. Terrell and Ms. Penny Miller Working with Your Barker: What You Need and What to Ask—Mr. Ben Wilson, Ms. Lyrid Sanders, Mr. Jake Surman and SPONSORED BY CATTLE MAX SOFTWARE AND GULF COAST CATTLEMAN 8:30

Mr. Matt Goodson 9:20

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

Beef Carcass Value Determination Workshop Rosenthal Meat Science Center (Dr. Davey Griffin, Dr. Dan Hale and Dr. Drew Cassens, Coordinators) 8:30

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

Feeder Calf to Carcass Grid

Carcass Grading
Live Cattle Evaluation and Grid Marketing
Review Live Video of Finished Cattle

8:30 9:00 9:30 10:30

View Carcasses from the Four Steers

Carcass to Boxed Beef Cuts: Where is the Value?

Beef Cattle Chute Side Demonstration 8:30

- 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 T; Vaccination Considerations, Needle and Syringe Selection – Dr., Jason Banta and Dr. Rick Machen

- Station 2: Castration and Implants – Dr. Jason Smith and

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

- TAMU Thomas G. Hildebrand Equine Complex Bldg. 177 Optional Picolinic Acid Training – Registration Required at the Envu Booth (1 CEU) 12:00

Beef Cattle Short Course 2024 - Adjourned (Dr. Megan Clayton, Coordinator) 12:00

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

August 5-7, 2024 Beef Cattle Short Course **Texas A&M** 70 th 70

http://beefcattleshortcourse.com **Texas A&M University**

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