

35TH ANNUAL FREMONT COUNTY

FARM & RANCH

DAYS
2019



FARM & RANCH DAYS 2019 – WEDNESDAY, FEBRUARY 6

	Program 1 Room A	Program 2 Room B	Program 3 Room C	Program 4 Room D
9 – 9:45 a.m.	Risks of Algae Blooms to Livestock Producers Dr. Jim Logan, Wyoming State Veterinarian	Small-Scale Farming Ernie Schierwagon, President, Fremont County Master Gardeners Sandy Phinney, Fremont County Master Gardener	Entrepreneurship: Things to Consider Cole Ehmke, UW Extension Ag Entrepreneurship and Personal Finance Specialist	
10 – 10:45 a.m.	Tips for Irrigating Alfalfa During Drought Conditions Caleb Carter, UW Extension Educator, Goshen County	Agricultural Labor: Management and Risk John Hewlett, UW Extension Farm/Ranch Specialist	Genuine Meats–USDA Meat Processing Facility in Riverton Mike Bailey, CEO/Owner, Bailey Tire & Auto Service and Bailey Oil Company Beau Sheets, President, Genuine Meats of Wyoming Jerome Hutchinson, CFO, Genuine Meats of Wyoming	
11 – 11:45 a.m.	Wild Horse Management Status and GPS Research Dr. Derek Scasta, UW Assistant Professor and Extension Rangelands Specialist	Exporting Wyoming Meat to Taiwan and throughout Asia Val Murray, Partner, Murraymere Farms	CWC and Economic Development Opportunities for Fremont County Agriculture Dr. Brad Tyndall, President, Central Wyoming College	
Noon – 1 p.m.	Lunch provided by Fremont County Cattlewomen			
12:45 – 1:45 p.m.	Keynote: Ranching with Purpose Trey Patterson, President/CEO, Padlock Ranch			
2 – 2:45 p.m.	Owning and Maintaining High-tunnels, Hoop-houses and Delving into Domes Jeff Edwards, UW Extension Small Acre/ Horticulture Specialist	Branding Wyoming Beef with BeefChain Rob Jennings, CEO, BeefChain and RWJ Consulting LLC	UW PAP Testing Research Updates Dr. Scott Lake, UW Associate Professor and Extension Livestock Specialist	Beef Quality Assurance–Market Driven Dr. Steve Paisley, UW Associate Professor and Extension Beef Specialist
3 – 3:45 p.m.	Difficult Conversations: How Do We Discuss What Really Matters? Caleb Carter, UW Extension Educator, Goshen County John Hewlett, UW Extension Farm/Ranch Specialist	Soil Management for Resilient Farmers and Ranchers Dr. Jay Norton, UW Professor and Extension Soil Specialist	Ag-Markets Update Bridger Feuz, UW Extension Educator and Marketing Specialist	Must attend entire session for BQA certification.

FARM & RANCH DAYS 2019 – THURSDAY, FEBRUARY 7

	Program 1 Room A	Program 2 Room B	Program 3 Room C	Program 4 Room D
9 – 9:45 a.m.	Private Pesticide Applicator Class Chance Marshall, UW Extension Educator, Fremont County Robert Finley, Fremont County Weed & Pest	Jerky 101 Dr. Laura Balis, UW Extension Educator, Fremont County Hannah Kesterson, UW Extension Nutrition and Food Safety Intern	Working Horse Care and Considerations Alex Malcolm, UW Extension Educator, Fremont County	
10 – 10:45 a.m.	Must attend all sessions	Potential for Wyoming Hemp Production and Regulations Dr. Caitlin Youngquist, UW Extension Educator, Washakie County	2019 Wyoming Weed Watch List Dr. Dan Tekiela, UW Assistant Professor and Extension Invasive Plant Ecology Specialist	Brucellosis–Producer Meeting Dr. Jim Logan, Wyoming State Veterinarian
11 – 11:45 a.m.		Balance Sheet Timing Greg Anderson, Farm Credit Services of America	Wool Quality and Selection Dr. Whit Stewart, UW Assistant Professor and Extension Sheep Specialist	Barton Stam, UW Extension Educator, Hot Springs County
Noon – 1 p.m.	Lunch provided by Fremont County Cattlewomen			
12:45 – 1:45 p.m.	Keynote: Livestock Guardian Dogs: Pairing the Right Dogs to the Predator Challenge Cat Urbigkit, Rancher and Author			
2 – 2:45 p.m.	Private Pesticide Applicator Class, continued Must attend all sessions	Grasshopper Management Strategies Aaron Foster, Supervisor, Fremont County Weed & Pest Scott Schell, UW Extension Entomologist	Wy-Grip ATV Considerations on the Farm/Ranch Jeff Edwards, UW Extension Small Acre/ Horticulture Specialist Jeremiah Vardiman, UW Extension Educator, Park County	
3 – 3:45 p.m.		Formulating a Grazing Plan Barton Stam, UW Extension Educator, Hot Springs County	Pesticides in the News Jeremiah Vardiman, UW Extension Educator, Park County	

WEDNESDAY SESSIONS

9-9:45 A.M.

RISKS OF ALGAE BLOOMS TO LIVESTOCK PRODUCERS

Dr. Jim Logan, Wyoming State Veterinarian

In 2018 various Wyoming agencies collaborated to determine bodies of water that potentially have algal blooms that are harmful to livestock. Dr. Logan will talk about confirmed cases in Wyoming and what producers should watch out for.

SMALL-SCALE FARMING

Ernie Schierwagon, President, Fremont County Master Gardeners

Sandy Phinney, Fremont County Master Gardener

Small-scale farming operations can be a great for local communities and can even be profitable. Ernie has lots of experience with this topic. He will discuss the pros and cons of having a small-scale farming operation in Wyoming.

ENTREPRENEURSHIP: THINGS TO CONSIDER

Cole Ehmke, UW Extension Ag Entrepreneurship and Personal Finance Specialist

Every profession has an entrepreneurial sector, and the ag sector increasingly requires entrepreneurship, besides sound management and craftsmanship, to make the most of the future. This presentation will talk about what that means and how we can achieve it individually and in the community.

10-10:45 A.M.

TIPS FOR IRRIGATING ALFALFA DURING DROUGHT CONDITIONS

Caleb Carter, UW Extension Educator, Goshen County

Alfalfa is a great crop for Wyoming. Our cool nights, dry summer conditions and typically sufficient water help to produce a very high quality crop. Alfalfa is also considered a high water use crop, which brings up the question: what is the best way to irrigate alfalfa during drought times? This presentation will cover some strategies and factors to consider when the water is not sufficient for full irrigation.

AGRICULTURAL LABOR: MANAGEMENT AND RISK

John Hewlett, UW Extension Farm/Ranch Specialist

Managing agricultural labor covers an expanse of human activity – deciding how many people to hire,

showing a daughter or son how to drive a tractor, setting wage rates, recruiting employees, among many others. This presentation will cover ag labor information sources and ag help wanted a guide for owners and managers offering practical assistance with: planning the division and coordination of work in agricultural production; recruiting and selecting employees for agricultural jobs; supervising, training, and tapping the motivation of employees to perform well; correcting employees and taking disciplinary action if necessary; and communicating effectively with employees and others.

GENUINE MEATS OF WYOMING—USDA MEAT PROCESSING FACILITY IN RIVERTON

Mike Bailey, CEO/Owner, Bailey Tire & Auto Service and Bailey Oil Company

Beau Sheets, President, Genuine Meats of Wyoming

Jerome Hutchinson, CFO, Genuine Meats of Wyoming

Wyoming does not currently have a large-scale USDA inspected meat processing facility. As a result, Wyoming producers must haul their livestock out of state for processing. However, there are big plans on the horizon for a USDA meat processing facility in Fremont County.

11-11:45 A.M.

WILD HORSE MANAGEMENT STATUS AND GPS RESEARCH

Dr. Derek Scasta, UW Assistant Professor and Extension Rangelands Specialist

Dr. Scasta will give an update on the status of wild horse management in Wyoming. He will also discuss how GPS technology is being used to monitor their habits and behaviors.

EXPORTING WYOMING MEAT TO TAIWAN AND THROUGHOUT ASIA

Val Murray, Partner, Murraymere Farms

Val will be discussing the opportunity for feedlot producers to export Wyoming beef to Taiwan. The people of Taipei have fallen in love with Wyoming beef and want more. Come listen and discuss this potential opportunity to get a margin on your corn-fed finished beef. Find out what you need to do in order to become export verified.

CWC AND ECONOMIC DEVELOPMENT OPPORTUNITIES FOR FREMONT COUNTY AGRICULTURE

Dr. Brad Tyndall, President, Central Wyoming College

CWC President Tyndall will discuss the college's vision of future agriculture in Fremont County and throughout Wyoming. They have identified many points of economic potential here in Fremont County and are considering ways that CWC can plug into it. Come hear what they have in mind.

KEYNOTE 12:45-1:45 P.M.

RANCHING WITH PURPOSE

Trey Patterson—President/CEO, Padlock Ranch

Trey Patterson's talk on Ranching with Purpose will dive into taking an integrated and purpose driven approach to making ranching decisions. The presentation will touch on important aspects of ranching such as people management, production systems, finance, and succession.

2-2:45 P.M.

OWNING AND MAINTAINING HIGH-TUNNELS, HOOP-HOUSES, AND DELVING INTO DOMES

Jeff Edwards, UW Extension Small Acre/Horticulture Specialist

Through a cooperative effort with the Wyoming Department of Agriculture, The University of Wyoming Extension has been conducting educational workshops on how to build hoop houses since 2009. This has resulted in 80 hoop houses in communities around the state. Jeff's presentation will share what we have learned to efficiently build them, maintain them, and produce in them. As the program has matured so have our interests and we are shifting to a geodesic dome design—Jeff will also share what he has learn so far about domes.

BRANDING WYOMING BEEF WITH BEEFCHAIN

Rob Jennings, CEO, BeefChain and RWJ Consulting LLC

In just this last year, Wyoming has become the envy of the nation for its innovative approach to blockchain with new startups like BeefChain. Mr. Jennings will discuss what BeefChain is and how this new idea could improve the marketability and traceability of Wyoming beef.

UW PAP TESTING RESEARCH UPDATES

Dr. Scott Lake, UW Associate Professor and Extension Livestock Specialist

Many factors can affect the reliability of a PAP score result. Dr. Lake will discuss the difficulties of livestock production at high altitudes in Wyoming. Recent and ongoing research at UW and beyond will be outlined.

BEEF QUALITY ASSURANCE—MARKET DRIVEN

Dr. Steve Paisley, UW Associate Professor and Extension Beef Specialist

Must attend entire session for BQA certification. BQA is a producer driven program in which cattle producers, from the cow-calf producer to the feedlot sector, assume responsibility for producing beef that is a healthy, wholesome, quality product and free from defects such as injection-site lesions and bruises. BQA reflects a positive public image that instills consumer confidence in the beef industry. BQA certification is becoming market driven and could add value to Fremont County beef.

3-3:45 P.M.

DIFFICULT CONVERSATIONS: HOW DO WE DISCUSS WHAT REALLY MATTERS?

Caleb Carter UW Extension Educator, Goshen County

John Hewlett, UW Extension Farm/Ranch Specialist

A difficult conversation is anything you find hard to talk about and could include: the raise you clearly deserve, how we will split up the farm when it comes time, or who should be the one to get a job in town, now that it is clear the ranch can no longer support three families. Difficult conversations are a challenge for everyone. This is especially true when it comes to discussing our ag legacy. The approach suggested here is intended to help you keep your peace of mind, whether or not others choose to join in.

SOIL MANAGEMENT FOR RESILIENT FARMERS AND RANCHERS

Dr. Jay Norton, UW Professor and Extension Soils Specialist

How you manage your soil can significantly impact the ability of your operation to remain sustainable. Dr. Norton will discuss strategies and considerations for optimal soil health and resiliency of the farm and ranch.

AG-MARKETS UPDATE

Bridger Feuz, UW Extension Educator and Marketing Specialist

THURSDAY SESSIONS

9 A.M.-3:45 P.M.

PRIVATE PESTICIDE CLASS

Chance Marshall, UW Extension Educator, Fremont County

Robert Finley, Fremont County Weed & Pest

Must attend all sessions to receive certification. This class is required to certify individuals who need to get or renew their Private Pesticide Applicator License.

9-9:45 A.M.

JERKY 101

Dr. Laura Balis, UW Extension Educator, Fremont County

Hannah Kesterson, UW Extension Nutrition and Food Safety Intern

Making jerky at home is a great way to transform extra meat into a nutritious snack that can be taken on the go. Using good food handling and processing practices will ensure a high quality and safe product for you to enjoy. Join us to learn more about raw material selection, methods to kill pathogens, the drying process, and flavor combinations to spice up your jerky.

WORKING HORSE CARE AND CONSIDERATIONS

Alex Malcolm, UW Extension Educator, Fremont County

Taking good care of your horse can make a big difference in their performance and lifespan. Alex will discuss vaccinations, floating teeth, nutrition, and farrier care.

10-10:45 A.M.

POTENTIAL FOR WYOMING HEMP PRODUCTION AND REGULATIONS

Dr. Caitlin Youngquist, UW Extension Educator, Washakie County

The 2018 Farm Bill opened the door for industrial hemp production in the US. This session will review both regulatory issues and production concerns.

2019 WYOMING WEED WATCH LIST

Dr. Dan Tekeila, UW Assistant Professor and Extension Invasive Plant Ecology Specialist

Unfortunately weeds and invasive plants are never stationary. Therefore, we must be diligent in knowing what new invasion front are coming our way. We will discuss a small fraction of the most pressing new weed issues facing Wyoming.

10 - 11:45 A.M.

BRUCellosIS-PRODUCER MEETING

Dr. Jim Logan, Wyoming State Veterinarian

Barton Stam, University of Wyoming Extension Educator, Hot Springs County

Brucellosis is a closely monitored disease in Wyoming. During this producer meeting, updates will be given on recent 2018 cases. Disease prevention and implications of positive tests will also be discussed.

11-11:45 A.M.

BALANCE SHEET TIMING

Greg Anderson, Farm Credit Services of America

The timing of calculating your balance sheet can affect the way you perceive your financial health. Greg will discuss how and when to do your balance sheets.

WOOL QUALITY AND SELECTION

Dr. Whit Stewart, UW Assistant Professor and Extension Sheep Specialist

Dr. Stewart will go into depth on what makes quality wool and what can be done with it. This will be a hands-on presentation.

KEYNOTE 12:45-1:45 P.M.

LIVESTOCK GUARDIAN DOGS: PAIRING THE RIGHT DOGS TO THE PREDATOR CHALLENGE

Cat Urbigkit, Rancher/Author

Cat will talk about the different breeds of dogs that could be useful for livestock producers that operate amongst different predators. She will discuss breed differences and determining which guardian dog might be best-suited for your situation.

2-2:45 P.M.

GRASSHOPPER MANAGEMENT STRATEGIES

Aaron Foster, Supervisor, Fremont County Weed & Pest

Scott Schell, UW Extension Entomologist

Grasshoppers can be destructive. These experts will explain their lifecycle and the best strategies to minimize the damage.

WY-GRIP ATV CONSIDERATIONS ON THE FARM/RANCH

Jeff Edwards, UW Extension Small Acre/Horticulture Specialist

Jeremiah Vardiman, UW Extension Educator, Park County

This session is a discussion and demonstration on good riding practices with ATVs for agricultural use. Please come share your knowledge and experience with ATVs on your operation.

3-3:45 P.M.

FORMULATING A GRAZING PLAN

Barton Stam, UW extension Educator, Hot Springs County

Get a head start on coming up with a game plan to get the most out of your pasture. Barton will lead a discussion on timing of grazing, pasture rotation, and other aspects of a grazing plan.

PESTICIDES IN THE NEWS

Jeremiah Vardiman, UW Extension Educator, Park County

This session will cover the latest on glyphosate and cancer, dicamba tolerant crops, and how sprayer speed affects pesticide coverage.

TREY PATTERSON

Dr. Trey Patterson received a B.S. and M.S. in Animal Science from Colorado State University; Ph.D. in Ruminant Nutrition from the University of Nebraska. Trey served as Extension Beef Specialist for South Dakota State University for five years. In this role he led state-wide extension and research programs in beef cattle nutrition and management. Since 2005, Trey has been with Padlock Ranch Company based out of Ranchester, Wyoming. Padlock is a large family-owned integrated cow/calf, feedlot, and farming operation. Trey now holds the position of President and CEO.



CAT URBIGKIT

Cat Urbigkit is an author and photographer of nonfiction books for both children and adults. Leaving behind her career as a newspaper reporter, Urbigkit became a full-time book author in 2005, but she's been a devoted reader, writer, and library user since she was in third grade.

The author lives on a working sheep ranch in western Wyoming with her family and her livestock guardian animals, including guardian dogs and burros. Urbigkit shares the beauty of rural life through her nonfiction books for children. Her books have received honors from the International Reading Association, Junior Library Guild, National Science Teachers Association, Society of School Librarians International, and numerous state reading associations.

In her nonfiction books for adults, Urbigkit often writes about big predators, and life on western rangelands shared by these species.

Cat is the author of a Wolf Watch news blog, and is a contributing writer to Stephen Bodio's Querencia nature blog. Her photographs of ranch life and wildlife appear in numerous books and magazines, and her daily Facebook posts are popular. Urbigkit is the co-owner and editor of The Shepherd magazine, and enjoys traveling the world learning about pastoral cultures.

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