



U.S. ROUNDTABLE FOR SUSTAINABLE BEEF FRAMEWORK OUTREACH MODULE TOOLKIT FEEDYARD



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U.S. ROUNDTABLE FOR SUSTAINABLE BEEF: INTRODUCTION

Welcome to the U.S. Roundtable for Sustainable Beef (USRSB) Feedyard Toolkit. In this resource, you'll find a collection of external sources to support the material of the online training. Templates are available for in-the-moment application and active links will allow you to visit websites instantly, expanding your knowledge of each topic.



OUR FRAMEWORK

The U.S. Beef Industry Sustainability Framework is a voluntary resource developed to identify opportunities for continuous improvement in all types of operations and companies across the beef industry. The ability to establish benchmarks for current conditions and assess progress toward goals is critical to the U.S. beef industry's sustainability efforts. Read the complete Framework here.

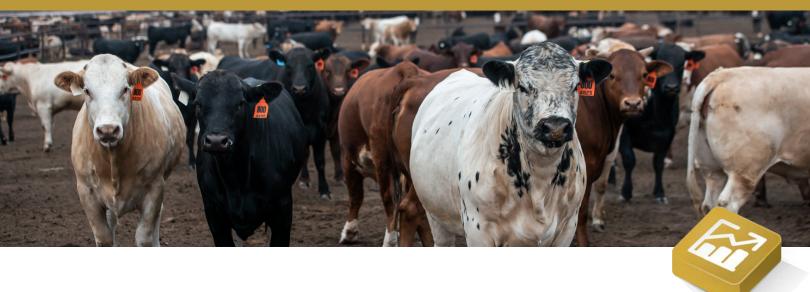
This Toolkit Addresses Four High-Priority Indicators:

- Profitability and Efficiencies
- Environmental Strategies
- Employee Safety & Well-Being
- Animal Health & Well-Being



PROFITABILITY & EFFICIENCIES





EFFICIENCY AND YIELD: TRACKING DATA

Many tools are available to support feedyard operators in evaluating efficiency and yield. Tracking important data takes time, organization, and consistency, regardless of feedyard size.

Common financial statements and measures you should have and regularly update:

- BALANCE SHEET The balance sheet financial statement is a snapshot of what your feedyard looks like TODAY. At this point in time, what do you own and what do you owe?
- INCOME STATEMENT The income statement shows the revenues and expenses of the feedyard over the course of a year. The difference in revenues and expenses is the net income.
- CASH FLOW STATEMENT A series of cash flow statements will allow you to see or project your ability to meet cash payment obligations, and when you might have excess cash available to pay ahead on existing liabilities. Cash flow statements can be completed on intervals tailored for the feedyard, such as monthly or quarterly.
- BUDGETS BY MONTH, QUARTER, YEAR Budgets are estimates of income and expenses within a given time frame. Preparing and adjusting budgets monthly, quarterly, and annually can help you be aware of the timing of financial obligations and how to meet them. They can be based off previous budgets or started from scratch each time.
- PROFITABILITY PER HEAD Find your profitability per head by taking your annual or seasonal profit and dividing by total head. Use your breakeven price to establish the minimum you must make to cover all expenses, then establish a profitability goal.
- INVENTORY In addition to animal identification records, maintain inventory records of consumables like feed, medication, tags, supplies, and more durable equipment like handling aids, Personal Protection Equipment (PPE), and digital hardware and software.

Depending on your feedyard, consider tracking measurements like feed shrink and storage losses, transportation efficiency, and staff ratios.



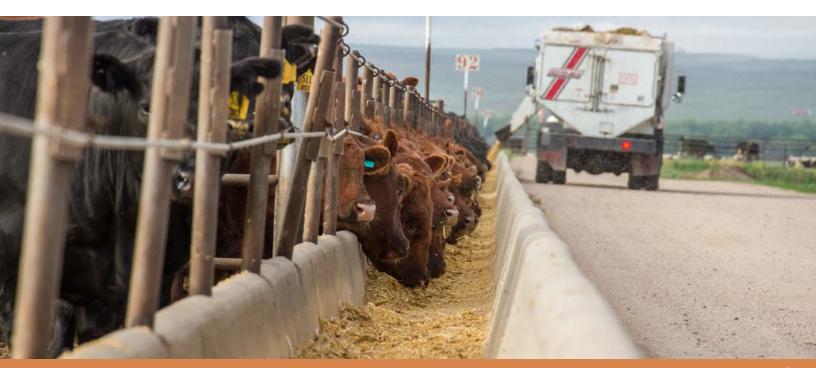
EFFICIENCY AND YIELD: FEED EFFICIENCY

According to the article <u>"Feeding Strategies to Improve Feed Efficiency"</u> from the University of Wisconsin Extension, "The top five factors that affect feedlot profitability are purchase price of cattle, sale price of the cattle, cost of feed, feed efficiency of cattle, and average daily gain of cattle. Of these five factors, feed efficiency can be most easily controlled by feeders."

"The primary goal of a feedlot operation is to efficiently convert pounds of feed into pounds of carcass weight."

Here are some basic calculations which can help you evaluate feed efficiency of your animals:

Average Daily Gain	Feed Efficiency	Cost Per lb of Gain
Ending Weight – Starting Weight	Pounds of Feed per day	Total Feed Cost
	 Average Daily Gain	Ending Weight – Starting Weight



PROFITABILITY & EFFICIENCIES



EFFICIENCY AND YIELD: CATTLE FEEDING BUDGET

Many university extension services have spreadsheets and other tools available for tracking, measuring, and comparing efficiency and yield data for your feedyard. The following template is adapted from the <u>lowa Beef Center</u>, where you can find many calculators and formula-based spreadsheets. Use the table below for a quick tool to estimate your feed-per-head budget.

Animal Info	
Date	
Purchase Weight	
Finished Weight	
Days on Feed	
Projected Marketing Date	

TIP: Your total cost to finish an animal is also your break-even price — this is the minimum you must sell the animal for to not lose money. Visit the Break-Even Calculator at the lowa Beef Center to adjust additional production factors.

Variable Costs per head		
Animal Purchase Cost		
Feeder calf price/cwt * Calf cwt	\$ per cwt x cwt	\$
Feed Cost		
Corn price/bu * bu fed to animal	\$ per bu x bu fed	\$
Alfalfa-Brome Hay Price/ton * hay as fed tons	\$ per ton xas fed tons	\$
Supplement price/lb * used supplement lbs	\$ per lb x lbs used	\$
Non-Feed Costs		
Vet medical & operating costs		\$
Interest		\$
Labor Costs		\$
Death Loss (% of purchase price)	% Loss x \$ purchase price	\$
Transportation/Marketing Cost		\$
Total Variable Cost per head		\$
Fixed Cost - Facility Cost per head	\$ facility cost / # of head	\$
Total Cost to Finish Animal:	Variable Cost + Fixed Cost	\$



EFFICIENCY AND YIELD: CHOOSING A STRATEGY

The USRSB Framework lays out eight strategies for improving efficiency and yield. As you consider your current standing and future goals, which areas are you most likely to focus on at your feedyard? Once you have identified your desired strategy, complete this chart with more specifics about the pathway that will allow you to reach your goal.

Question:	Your Response:
Strategy:	(reference Feedyard Profitability and Efficiencies <u>online module</u> for full list – strategies include areas for closeout performance, rations, energy consumption, feedstuff management, manure management, financials, staffing, etc.)
WHAT will you measure?	
WHEN is your deadline/checkpoint?	
WHY will this benefit your feedyard?	
WHO will you engage for guidance, advice, or resources?	
HOW will you overcome obstacles preventing you from reaching efficiency now?	

PROFITABILITY & EFFICIENCIES



MORE RESOURCES

This is not an exhaustive list, continue exploring resources specific to your state or region.

ACCOUNTING

- · Accounting firms like Lewis, Harper, and Dick offer financial planning calculators to help with standard financial management. Others like KCOE-ISOM specialize in food and agricultural finance and accounting and can offer resources unique to the industry.
- The lowa Beef Center provides 10-year summaries of monthly cattle feeding returns to compare your data with the industry average.
- The University of Nebraska Lincoln delivers monthly articles for feedyard operators.

NUTRITION

- Nutritionists such as those from the Nutrition Services Associates can help consult with feedyard operations
- · Production Animal Consultation can also consult on strategic planning and industry data for beef producers
- The Beef Improvement Federation provides information on feed intake and feed efficiency testing for beef cattle

SOFTWARE

- The following software tools can help feedyard operators manage profitability and efficiency data ranging from financial to inventory to herd data. This is not a complete list of software tools but can offer a starting point when finding the right program for your feedyard.
- ISU Beef Feedlot Monitor Software FY3000
- Animal Health International
- Hi-Plains

Micro Technologies

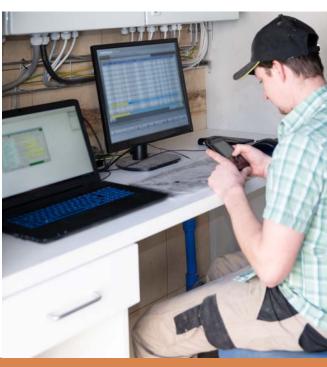
- Turnkey
- Performance Livestock Analytics
- Ag Strata

Benchmark

Beef Basics



CHECK IN: What technology or programs are you currently using to track your profitability and efficiencies? Does the system meet your needs? If not, what needs to change?







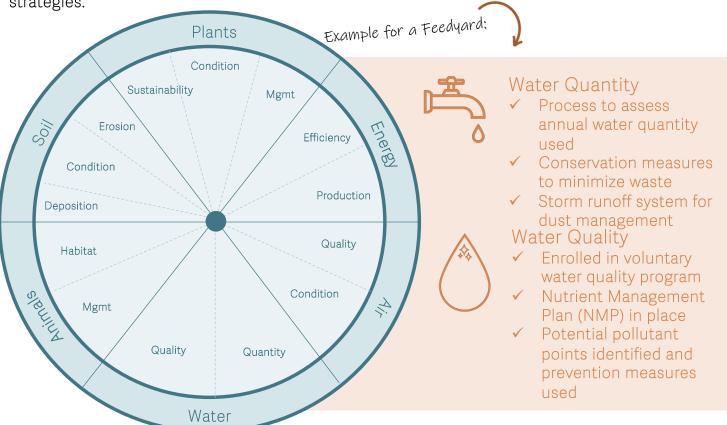


WATER, LAND, AIR: MANAGEMENT STRATEGIES

Continuous improvement in the areas of water management, land management, and air quality is important for the longevity and safety of a feedyard. These natural resources are dependent on and act upon each other, so a comprehensive program that address each is vital. The USDA Natural Resource Conservation Service offers this helpful visual to depict how each aspect of an agricultural

operation – plants and soil, air, water, energy, and animals - impacts environmental management

strategies.





ENVIRONMENTAL MANAGEMENT: MAKING IMPROVEMENTS

Which areas are you most likely to focus on at your feedyard to improve the environmental management? Read the example focus areas below and find more on page 54 of the <u>U.S. Beef Industry Sustainability Framework</u>.

Improving Environmental Impact Improving Air Quality Manure Treatment Create a plan for higher risk characteristics on land application sites Nutrient management plans (NMP) Maintain a written list of "high priority" Evaluate manure storage areas to prevent changes in facility design or management runoff Incorporate plans for 25-year, 24-hour rainfall practices for future planning events and/or 100-year floodplain YOUR IDEAS Improving Land Management Improving Water Management Develop a USDA-approved conservation plan Put a process in place to annually assess Train employees on nutrient planning SOPs the quantity of water utilized by the Obtain a federal or state water quality permit operation • Implement water conservation measures Document your NMP and/or have a certified nutrient management specialist or certified to minimize water waste · Identify all potential pollutant sources crop advisor review the NMP Conduct a Whole Farm Phosphorus Balance and established measures to prevent Create an SOP for soil/manure sampling and water quality impacts analysis, crop yield goals, crop rotation, Install measures to fully reuse and/or manure/effluent application, application recycle water (e.g., collect precipitation equipment inspection, site inspection, manure runoff for use in crops or possibly access spill containment, or irrigation equipment roads and feedlot surface dust control) YOUR IDEAS



ENVIRONMENTAL MANAGEMENT: GROUNDWATER DISTRICTS

It is important for feedyards to know if they are located within a groundwater district so they can be compliant with any guidelines or regulations. If your state is listed, find it below for links to the state's groundwater management agency and water quality permits for AFOs. For other states or a national view, visit the National Groundwater and Streamflow information Program from United States Geological Survey. Links are not all-inclusive, but a great starting point for more information.

ARIZONA



Groundwater: Arizona

Department of Water Resources Environmental

Arizona Department of

Quality

Permits:

CALIFORNIA



Groundwater: California Department of Water Resources

Permits: California Water Boards

KANSAS



Groundwater: Kansas

Department of Agriculture

Permits: Kansas

Department of Health and Environment

NEBRASKA



Groundwater: Nebraska's Natural Resources Districts

Permits: **NDEE Water** Quality Division

NEW MEXICO



Groundwater: New Mexico Environment Department

Permits: NPDES Surface Water Quality

OKLAHOMA



Groundwater: Oklahoma Water Resources Board

Permits: **OWRB** Water Use Permitting

TEXAS



Groundwater: Texas Water Development Board

Permits: Texas

Commission on Environmental Quality

IOWA



Permits: Department of Natural Resources

COLORAD

Permits: Colorado CDPHE

MORE RESOURCES

This is not an exhaustive list, continue exploring resources specific to your state or region.

- The USDA NRCS has multiple resources for water conservation and use, including the Conservation Planning Workbook and the Agricultural Waste Management Field Handbook.
- The Livestock & Poultry Environmental Learning Community offers resources and advice for manure management including the topic of managing manure in winter.



ENVIRONMENTAL MANAGEMENT: SITE REVIEW

When reviewing how the land, water, and air quality are managed at your feedyard, use the following checklist to conduct your site review: ☐ Are runoff holding ponds designed, built, and managed to contain required storm event? ☐ If runoff holding ponds are not used, has an alternative technology been employed to manage the stormwater runoff? ☐ Do any of the following higher risk characteristics exist for planned land application sites? ☐ Designated by NRCS as highly erodible land? ☐ Karst topography, sinkholes, or other connection to ground water? ☐ Shallow high-water table (less than four feet)? ☐ Flooding potential (one in five years or more)? □ Soils with soil test P levels identified as very high or excessive? ☐ Unused or abandoned wells not properly sealed? ☐ Tile drained fields draining directly to surface water? ☐ Less than 30-foot permanent (e.g., grass) vegetative buffer between manure application and surface water or well? Note that a wider no manure application buffer may be necessary for cropland.

ENVIRONMENTAL MANAGEMENT: FACILITY PRIORITIES

When considering facility changes and which items to prioritize, answer and compare these questions for each initiative. This can make it easier to determine which initiative should be given attention first given.

- Scope/Cost how large is this project? What is the estimated cost?
- Contractors or Consultants who is needed to make this initiative happen? This may include an environmental consultant or building contractors
- Timeframe how long will it take to complete this project? How will seasonality impact timing?
- Sustainability how will this initiative be maintained over the years? How will it contribute to a sustainable environment?
- Environmental Impact what is the impact of this initiative during and after implementation?







The University of Nebraska Medical Center's Central States Center for Ag Safety and Health (CSCASH) is working to develop <u>feedyard specific safety and health resources</u> for feedyard operators. Their preliminary study issued surveys to identify the top employee safety topics at the feedyard, which will be used to further develop the CS-CASH safety programs. Consider if these same issues are at the top of your safety list at your feedyard operation.

"THE FEEDYARD 15"

- 1. Feed mill safety
- 2. Mobile equipment
- 3. Tractors and loaders
- 4. Cattle handling/stockmanship
- 5. Processing cattle

- 6. Horsemanship
- 7. Slips, trips, and falls
- 8. ATVs/UTVs
- 9. Emergency response
- 10. Extreme response

- 11. Chemical storage
- 12. Machine shop hazards
- 13. Electrical hazards
- 14. Bunker silos
- 15. Manure storages

SUCCESSFUL SAFETY & HEALTH PROGRAMS

How do you currently implement or want to start implementing these components in your employee safety programs?

Evaluate

How do you determine the effectiveness and outcomes of safety methods?

Train

How often do you offer, participate in, and document trainings?

Eliminate, Prevent or Control

How are you managing or mitigating hazards and risks?

Establish

Have you established written safety policies and procedures?



SAFFTY MATTERS: CREATING A SAFFTY PROGRAM

USRSB recommends discussions outside expertise and consultants who can develop or aid in the development of an employee safety and well-being training program. Public and private agencies and institutions who can help develop or evaluate a safety and health program include:

- Agricultural Safety and Health eXtension find resources, training events, and expert advice
- American Farm Bureau Safety & Health Network provides leadership and assistance to local and state Farm Bureaus promoting safety and health in agricultural and rural communities.
- <u>University of Minnesota Extension Farm Safety</u> find a collection of resources on risk management and farm safety.
- <u>USDA National Institute of Food and Agriculture Farm Safety</u> browse resources and external links in partnership with USDA NIFA on farm safety and employee well-being.
- <u>Ohio State University Extension Ag Safety & Health Program</u> browse employee safety resources including videos and print materials.
- <u>USDA Preparedness Fact Sheet</u> do you have a plan should disaster strike? Use this guide from the USDA to develop a plan in case of an emergency.
- <u>Department of Homeland Security</u> visit Ready.gov to see what you can do to prepare for disasters if you have livestock or other animals.

 North Carolina State University Agricultural Safety for Farmers and Workers – find a collection of resources from pesticide safety to OSHA trainings.



TRAININGS

- The <u>Animal Care Training (ACT)</u> is an online training for producers, transportation, and livestock marketers to gain information for the American Association of Bovine Practitioners (AABP).
- The <u>Beef Cattle Institute</u> at Kansas State University provides innovative solutions to veterinarian and beef producers for success in the beef industry.
- The <u>Southwest Center for Agricultural Health, Injury Prevention, and Education</u> is a part of the National Institute for Occupational Safety and Health (NIOSH) and conducts programs designed to reduce occupational injuries and diseases among agricultural workers and their families.



SAFETY MATTERS: PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE) includes a variety of clothing and external wear to keep cattle handlers and feedyard employees safe. Learn more at the National Ag Safety Database.

- Steel-toed or hard-toed shoes can help prevent injury from being stepped on by cattle.
- Dust masks should be worn in areas with inadequate or improper ventilation when working in dusty environments such as moving and handling feed.
- Rubber gloves and splash goggles should be worn when mixing and spraying chemicals such as pesticides and insecticides.
- Eye protection and gloves should be worn when working with a sick animal or giving a shot, as some livestock diseases can be introduced to humans through open wounds.

Note: loose, ripped, or baggy clothing should never be worn around machinery as it can easily be caught in equipment with moving parts.



EYE AND FACE PROTECTION

When is eye and face protection needed? When there is a reasonable probability of injury from hazardous chemicals or flying particles, such as:

- Pipetting
- Opening centrifuge tubes Pouring
- Using syringes
- Mixing/vortexing
- Preparing solutions
- Titrations
- Operating a saw
- Grinding/cutting
- Trimming grass or shrubs
- Spraying
- Vehicle/equipment maintenance
- Plowing
- Cutting/mowing brush



Workplace noise can cause hearing loss, create physical and psychological stress and contribute to accidents by making it difficult to communicate. All employees working in high exposure areas or jobs should be trained before initial assignment and at least annually on the following topics:

- Effects of noise on hearing
- Purpose of hearing protectors
- Advantage and disadvantages of various types of hearing protectors
- Proper use, selection, fit, and care of hearing protectors



SAFETY MATTERS: EMPLOYEE TRAINING

Use the checklist below to help develop your worker safety and well-being training. As you read through each section, consider if your feedyard is currently implementing these in your training, or if they could improve.

Safety Training Components

- ☐ Identifying hazards and implementing control measures.
- ☐ Learning the proper safe work practices.
- ☐ Learning when and how to use personal protective equipment.
- ☐ Learning to perform basic first aid, CPR and emergency training.

Training Tips

- Be specific
- Give examples
- Provide feedback
- Schedule regular practice, interactive components, and hands-on activities
- Provide feedback to participants
- Give positive reinforcement
- Keep it short
- Encourage employee involvement
- Mix it up keep trainings fresh and engaging

Advice for the Trainer:

- ✓ The trainer should know the job well and should be prepared ahead of time for training.
- ✓ Explain the purpose of the training
- ✓ Treat the worker as an equal or a friend
- ✓ Demonstrate the process step by step
- ✓ Instruct the worker to perform the job one step at a time and repeat the process as needed
- ✓ Monitor performance and evaluate the training

Adapted from Noble Research Institute, LLC. Special thanks to Megan Kelley, Sharon Bard, the Beef Quality Assurance (BQA), and the Integrity Beef Alliance.





SAFETY MATTERS: EMPLOYEE TRAINING

In addition to the checklist, consider these suggestions to make your trainings more impactful.

Tailgate Training

Tailgate training is an effective, informal way to communicate safety information to workers. It is usually conducted in 15- to 20-minute time periods covering a specific safety topic to a small group of workers. Given by managers, the tailgate sessions usually happen at the beginning of the week, in the morning before work has begun. It is usually conducted weekly and directly related to the work assigned for that time frame.

Near misses are a good topic to cover. This is a good, proactive approach to help reduce injuries and incidents. Make sure the training is directed at learning and understanding rather than alienating the people involved in the near miss.

Evaluation

Evaluation is a key part of training. You can use informal evaluation to find out what the worker learned from the training experience. You can ask questions and have them perform the job while you are observing to make sure the job is done correctly and in the safest manner possible. You can use formal evaluation to get a more thorough, objective understanding of the training process. Training pre-tests and post-tests can be used to measure whether the training was effective. You can also use follow up assessments to measure if the information learned was retained. Document all trainings, including attendance.

Youth Regulations

The Federal child labor provisions were enacted to ensure that young workers are protected from unsafe and hazardous jobs. The Federal child labor provisions, authorized by the Fair Labor Standards Act (FLSA) of 1938, were enacted to ensure that when young people work, the work is safe and does not jeopardize their health, well-being, or educational opportunities. By knowing minimum wage, overtime, discrimination protections and ages and conditions guidelines and complying with these provisions, agricultural employers, parents, and teachers can help working teens enjoy those safe, positive, early work experiences that can be so important to their development. For more information regarding child labor laws in the U.S. you can visit this.



SAFETY MATTERS: SAFETY & HEALTH POLICY

Use the sample Safety & Health Policy below as a starting point for your own policy. Adapt as needed for your feedyard and remember to include authorizing signatures. Fill in the name of your feedyard in the blanks below.

Signature of Empl	loyee Sign	ature of Owner or Manager
safety and health	policies stated above.	
As a worker of		, I have read, understand and will abide by the
	ow these safety rules can result in or employment termination.	verbal or written warnings, job re-assignment
5. Employees are	not permitted to operate machi	nes for which they have not received training.
4. Injuries and/or	r unsafe work practices should be	e reported to management immediately.
3. No illicit drug	or alcohol use is permitted on th	e feedyard.
2. No horseplay v	will be tolerated at our feedyard.	
1. No employee i	is required to do a job that they o	consider to be unsafe.
The following wor	kplace safety rules apply to every	one employed at this feedyard:
and managers mu procedures. Every and everyone is re	ust enforce company policies and yone working at	workers in specific safe work practices. Owners I make sure everyone is following proper safety is responsible for safety g of accidents, recognizing hazards and unsafe oment.
8. Reward worker	rs appropriately for their safety ar	nd health workplace achievements.
7. Establish a cor	ntinual reporting system for "clos	se call" and "near miss" incidents.
6. Prepare and tr	ain all employees to react approp	oriately under emergency conditions.
5. Perform regula	arly-scheduled work inspections,	document and remediate all hazards.
4. Improve and m	naintain equipment and environr	nental conditions on the feedyard.
3. Provide persor	nal protective equipment (PPE) a	ppropriate for all job activities.
2. Train staff to p	perform all work tasks safely.	
1. Strive to achie	eve a "zero incidents" goal.	
Based on everyon	ne's involvement, our safety and h	nealth goals are:
applicable workpl	ace safety and health regulations	important. Our feedyard will comply with all s and support and enforce occupational safety gement will be involved with the safety program.
		Safety and Health Policy
your reedyard in the	He Dialiks below.	





EMPLOYEE BENEFITS: PRIORITIZING HEALTH AND WELL-BEING

To enhance employee safety and well-being, a feedyard should consider offering each of these benefits to their employees in an effort to improve workplace safety, employee health and

financial security.



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RETIREMENT COUNSELING

VACATION IMMUNIZATION

SMOKING CESSATION

For more information, consult HR resources at the <u>Society for Human Resource Management</u>, a credible source of human resources information for all industries.



Being engaged with your community and the lives of your employees will support their well-being. What options do you have available to become involved? Try these to start:

- Purchasing 4-H or FFA livestock or supporting other youth clubs
- Host or sponsor community activities such as baseball teams
- Donate to a youth fundraising activity
- Find out what your employees and their children are involved in and support something that would relate to them



MORE RESOURCES

This is not an exhaustive list, continue exploring resources specific to your state or region.

- The <u>Agricultural Safety & Health Council of America</u> is a coalition of organizations, businesses, and agencies with a mission to, "proactively address ongoing and emerging occupational safety and health issues affecting U.S. agriculture."
- For online training materials, visit <u>Safety Made Simple</u>, where you can find courses for individuals or groups created by safety experts.
- The <u>Great Plains Center for Agricultural Health</u> offers posters, handouts, and activities regarding farm and agricultural safety.

ANIMAL HEALTH & WELL-BEING





Healthy cattle are more productive. Animal Health Management for a productive herd should be:



Science-Based



Include animal health products and antibiotics



Common-Sense Driven



Describe veterinarian partnerships



Describe disease management practices



Animal well-being and animal health go hand-inhand. The U.S beef industry has zero tolerance for animal neglect or animal abuse. A feedyard focused on animal well-being uses:

- Low-Stress Handling
- ✓ Appropriate Driving Aids
- ✓ Non-Ambulatory & Euthanasia Protocols
- ✓ Sanitary & Sufficient Feed & Water Supplies
- Adequate Space for Safe Animal Movement
- ✓ Antibiotic Management & Withdrawal Protocols
- √ Biosecurity Measures



ANIMAL HEALTH MANAGEMENT: VCPR

A Veterinary-Client-Patient-Relationship (VCPR) Agreement should be in place in order to specify the responsibilities of the feedyard operator and veterinarian, as well as to meet legal obligations for some antibiotics and medications. A VCPR should have the following components according to the <u>American Association of Bovine Practitioners</u>:

- A written agreement describing the working relationship between the veterinarian(s) and the client.
- A Veterinarian of Record (VOR) identified who has sufficient knowledge of the feedyard and animals and should be consulted before other veterinarians provide professional services to the herd.
- Treatment Protocols for commonly occurring or easily recognizable conditions written out, including when to stop treatment and seek veterinarian help.
- Description of electronic or written treatment records maintained for the herd
- List and protocols for prescription drugs to be used in specific time frames

When you require a Veterinary Feed Directive (VFD), check if the State or Federal Definition of the VCPR applies in your state. Visit the <u>FDA VCPR Jurisdiction</u> document to find your state.

DISEASE MANAGEMENT: BIOSECURITY

Biosecurity includes three critical components:

- SECURITY practices in feedyards are aimed at controlling access to the facility in an effort to protect everything within it from theft, damage, or contamination
- BIOSECURITY reducing risk associated with the entry of disease-causing agents to a feedyard
- BIOCONTAINMENT reducing the transmission of disease-causing agents among cattle within a feedyard

These practices attempt to control risk from intentional and unintentional introduction of disease agents or toxins as well as the risk of an individual or group carrying out an act of terrorism or vandalism against the feedyard. Visit the template on the following page for more guidance.



ANIMAL HEALTH MANAGEMENT: VCPR

Use this VCPR template adapted from the <u>Professional Animal Auditor Certification Organization</u>

Owner Name:		Date:
Mailing Address:State:	City:	
Feedyard Name:		
Feedyard Address (if different from	above)	
Primary Phone:	Fax:	 Email:
medical judgements on the farm reg party for providing appropriate overs	garding the health and sight of drug use on t R. This oversight shou iew of treatment reco	ald include establishment of treatment rds, and monitoring use of all drugs
Name:	Clinic Name:_	
Mailing Address:State:	City:_	
Primary Phone:	Email	:
State Licensed In:	Ot	her:
Before signing this	agreement, the follo	wing must be completed:
Develop an Approved Drug List, r	noting condition to be	treated, proper dose, route, and withdrawal times
Develop and commit to maintain	ing a Treatment Reco	rd System (written or computer based)
VOR provides/approves treatmer	ıt records	
		above-listed farm and veterinarian and will one year from signature date below.
Farmer/Owner Signature:		Date:
Veterinarian of Record Signature:		Date:



DISEASE MANAGEMENT: BIOSECURITY

Use this template from the **BQA Feedyard Assessment** to establish responsibilities for biosecurity

Security, Biosecurity, And Biocontainment Protocol

G	eneral eneral
•	Security, Biosecurity, and Biocontainment Protocols will be reviewed by on abasis.
•	All employees will be trained on the Security, Biosecurity, and Biocontainment Protocols when they are hired.
•	Update/refresher training on the Security, Biosecurity, and Biocontainment Protocols will be provided to employees at least every
Se	ecurity
•	will be responsible for feedyard security including:
•	Visitors must sign in at Visitor logs will be kept with the name, address, company, and date of visit. The following procedures will be taken during visits:
	Insert Procedures
•	Background checks will be performed on new hires prior to their start date.
•	Employees will be trained to politely challenge visitors that are not following outlined procedures and escort them to theto sign in.
•	Employees will be trained to recognize and report suspicious behavior to
Ві	osecurity
•	Unload and visually inspect all incoming cattle during daylight hours, if possible. Maintain isolation until inspection is completed. If cattle are unloaded at night they should be maintained in the receiving area and inspected the following morning.
•	Rendering company vehicles should avoid driving through the feedyard and/or contaminating the direct delivery path of feed trucks.
Ві	ocontainment
•	The is responsible for proper cleaning and disinfection of hospital equipment and tools per feedyard veterinarian's directions.
•	Equipment and facilities will be cleaned with the high-pressure water hose prior to disinfecting with
•	The hospital crew is responsible for cleaning of the hospital facility. The yard is responsible for weekly cleaning of the receiving and processing facility. Trucks and loaders used to clean pens and move manure or dead animals will not be used for handling feed without first being thoroughly cleaned and disinfected by with
•	The crew is responsible for maintaining an ongoing bird, rodent, fly/insect, other pest, and feral animal control program.



DISEASE MANAGEMENT: JUDICIOUS USE OF ANTIBIOTICS

The Beef Quality Assurance Program (BQA) provides 14 Guidelines for the Judicious Use of Antibiotics, which are outlined below. You can find more information on these guidelines in the BQA Antibiotics Stewardship for Beef Producers Guidebook.

1

Prevent problems:

Emphasize appropriate husbandry and hygiene, routine health examinations, and vaccinations.

2

Adhere to FDA guidance:

Follow label instructions and FDA guidance for the use of all antibiotics. The use of antibiotics medically important in human medicine should only be used after careful consideration. If medically important feed grade antibiotics are used, they must be under the guidance of a Veterinary Feed Directive (VFD).

(3)

Select and use antibiotics carefully:

Consult with your veterinarian on the selection and use of antibiotics, under the premise of a valid Veterinarian-Client-Patient-Relationship (VCPR). Have a valid reason to use an antibiotic. Appropriate therapeutic alternatives should be considered prior to using antimicrobial therapy.

4

Use the laboratory to help you select antibiotics:

Cultures and sensitivity test results should be used to aid in the selection of antibiotics, whenever possible.

5

Combination antibiotic therapy is discouraged unless there is clear evidence the specific practice is beneficial:

Select and dose an antibiotic to affect a cure.

6

Avoid inappropriate antibiotic use:

Confine therapeutic antibiotic use to proven clinical indications. Avoid inappropriate uses such as for viral infections without bacterial complication.

7

Treatment programs should reflect best use principles:

Regimens for therapeutic antimicrobial use should be optimized using current pharmacological information and principles.



DISEASE MANAGEMENT: JUDICIOUS USE OF ANTIBIOTICS

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- Treat the fewest number of animals possible: Limit antibiotic use to sick or at-risk animals.
- Treat for the recommended time period:

 To minimize the potential for bacteria to become resistant to antimicrobials.
- Avoid environmental contamination with antibiotics:

 Steps should be taken to minimize antimicrobials reaching the environment through spillage, contaminated ground run off, or aerosolization.
- Keep records of antibiotic use:

 Accurate records of treatment and outcome should be used to evaluate therapeutic regimens and always follow proper meat and milk withdrawal times. Keep records for a minimum of two (2) years or longer based on state and local regulations.
- Follow label directions:
 Follow label instructions and never use antibiotics other than as labelled without a valid veterinary prescription.
- Extra label antibiotic use must follow FDA regulations:
 Prescriptions, including extra label use of medications, must meet the Animal Medicinal Drug Use Clarification Act (AMDUCA) amendments to the Food, Drug, and Cosmetic Act and its regulations. This includes having a valid VCPR.
- Medically important antibiotic use should be limited to the control and treatment of disease

 Medically important antibiotics should not be used if the principal intent is to improve performance. Antibiotics that are medically important to human medicine may not be used for performance. Guidelines developed from AVMA, AABP, and AVC guidance on Appropriate Veterinary Antibiotic Use.

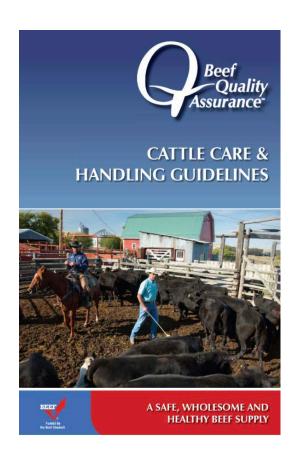


TRAINED PERSONNEL: STOCKMANSHIP

Review the resources below to refresh your knowledge or see what opportunities are available to continue developing your stockmanship skills.

- The <u>BQA Cattle Care and Handling Guidelines</u> provides detailed information about proper cattle care and handling techniques which should be followed by all personnel.
- <u>BQA Self-Assessment Guides</u> can be utilized to gauge effects of current handling and care protocols and identify areas of improvement.
- The Farmers Assuring Responsible Management (FARM) from the National Milk Producers Federation and the BQA (FARM) program partnered to create this <u>Stockmanship</u> Video.





• Consider attending the <u>Stockmanship and Stewardship</u> unique two-day training with hands-on practice for low-stress cattle handling or visit the website for instructional cattle handling videos.

STATE LEVEL RESOURCES

State Cattlemen's Associations and State Extension Service Specialists can provide resources on a variety of animal care and handling topics. Do you have a contact at these two state-level associations? List their information here. If not, consider a friend or fellow producer who could connect you with their staff.

State Cattlemen's Association Contact Name:	Number:	
Email:		
State Extension Service Contact Name:	Number:	
Email:		

ANIMAL HEALTH & WELL-BEING





MORE RESOURCES

This is not an exhaustive list, continue exploring resources specific to your state or region.

- The <u>Center for Disease Control (CDC)</u> provides information about antibiotic resistance in humans with their Common Questions and Answers page
- The American Association of Bovine Practitioners (AABP) <u>Antibiotics Position Statement</u> sets context on proper and judicious antibiotic use in cattle production
- The AABP also publishes <u>The Bovine Practitioner</u> with guidance such as humanely raising livestock in a "Raised Without Antibiotics" framework
- Find <u>Clinical Updates</u> with articles ranging from medicine, record keeping, networking, and more from The Beef Cattle Institute at Kansas State University
- Find a comprehensive overview of <u>"The Cattle Industry's Guidelines for Care and Handling of Cattle"</u> from the University of Nebraska-Lincoln



BIOSECURITY

- Find a practical approach to biosecurity in this Penn State Extension article
- Learn more about specific <u>roles and responsibilities in biosecurity</u> from this University of Tennessee publication
- View the industry manual for <u>Foreign Animal Disease Preparedness and Response Plan</u> from USDA-APHIS
- Find professional services and resource from <u>SBS Secure Beef Supply</u>
- BQA Daily Biosecurity Template





BEEF QUALITY ASSURANCE: BQA MANUALS & GUIDES

Beef Quality Assurance (BQA) is a national program funded by the Beef Checkoff that raises consumer confidence by offering proper management techniques and a commitment to quality within every segment of the beef industry. You can find online trainings, manuals, and resources at the National Cattlemen's Beef Association website: BQA.org





MORE RESOURCES

This is not an exhaustive list, continue exploring resources specific to your state or region.

- The <u>National BQA Manual</u> provides an in-depth look into all aspects of proper animal care and handling topics. This link also provides the manuals for Antibiotic Stewardship for Beef Producers and the Cattle Industry Guidelines for the Care and Handling of Cattle.
- You can find the <u>BQA Feedyard Assessment</u> designed to help all feedyard managers benchmark their operations in areas such as animal welfare, cattle handling, record keeping, etc.
- For interviews, producer profiles, and demonstrations on BQA practices, visit the <u>BQA YouTube</u> Channel.



WHAT ABOUT TRANSPORTERS?

For Cattle Transporters, the <u>BQA Transportation Quality Assurance Program</u> is an online training to provide steps to implement during the transportation of cattle.