

Animal Health & Antibiotic Stewardship



- DEVELOP VACCINATION PROTOCOL
- PROPER DIAGNOSIS
- READING LABELS
- PROPER TOOLS/EQUIPMENT
- VACCINE ADMINISTRATION
- STORAGE AND HANDLING
- RECORD KEEPING

NEBRASKA BQA 

Animal Health & Antibiotic Stewardship



ANTIMICROBIAL STEWARDSHIP REFERS TO COORDINATED INTERVENTIONS DESIGNED TO IMPROVE AND MEASURE THE APPROPRIATE USE OF ANTIMICROBIALS BY PROMOTING THE SELECTION OF THE OPTIMAL ANTIMICROBIAL DRUG REGIMEN, DOSE, DURATION OF THERAPY, AND ROUTE OF ADMINISTRATION.

ANTIMICROBIAL STEWARDS SEEK TO ACHIEVE OPTIMAL CLINICAL OUTCOMES RELATED TO ANTIMICROBIAL USE, MINIMIZE TOXICITY AND OTHER ADVERSE EVENTS, REDUCE THE COSTS OF HEALTH CARE FOR INFECTIONS, AND LIMIT THE SELECTION FOR ANTIMICROBIAL RESISTANT STRAINS.

NEBRASKA BQA 

Developing Vaccination/Treatment Protocols (Written)



- CONSULT YOUR VETERINARIAN
- CORE VACCINATIONS
 - 4 WAY IBR, BVD, PI3, BRSV
 - 2 WAY PASTEURRELLA
 - 4/7 WAY CLOSTRIDIAL
- ADDITIONAL CONSIDERATIONS
 - FLY CONTROL
 - IMPLANTS
- TREATMENT PROTOCOL

NEBRASKA BQA 

Diagnosis



- ROUTINE HEALTH OBSERVATIONS
- PROPER DIAGNOSIS
- IDENTIFY TREATMENT PROTOCOL
- PROPER RESTRAINT
- TREATMENT
- RECORD TREATMENT / ID
- FOLLOW UP OBSERVATIONS

NEBRASKA BQA 

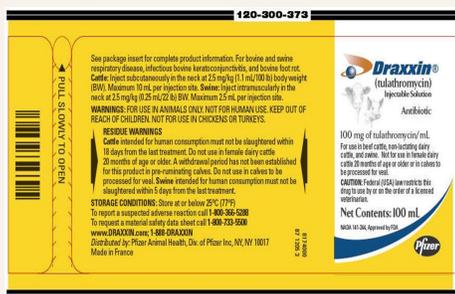
Animal Health Labels



- PRODUCT NAME
- ACTIVE INGREDIENT
- USE/DOSAGE
- WITHDRAWAL TIME
- STORAGE INFORMATION
- EXPIRATION DATE
- LOT NUMBER



Animal Health Labels



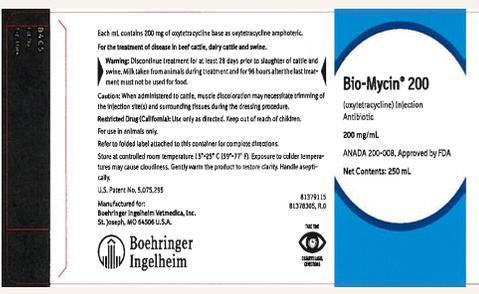


Animal Health Labels



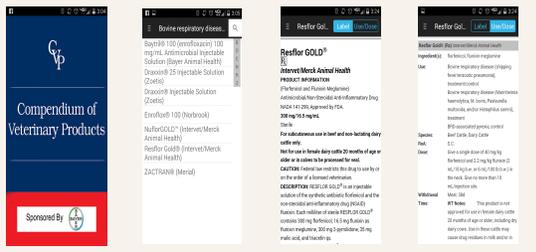


Animal Health Labels





Compendium of Veterinary Products



WEBSITE: BAYERALL.NACCVP.COM

MOBILE APP: [GOOGLE PLAY](#) - NORTH AMERICA COMPENDIUMS
[APP STORE](#) - CVP VET



Syringe and Needle Size

		Route of Administration							
		SQ (1/2 to 3/4 inch needle)		IM (3/4 to 1 inch needle)		IV (1 to 1 1/2 inch needle)			
Injectable Viscosity	Cattle Weight	Cattle Weight		Cattle Weight		Cattle Weight		Cattle Weight	
		< 300	300-700	> 700	< 300	300-700	> 700	< 300	300-700
Thin Example: Most vaccines	18-16 gauge	18-16 gauge	18-16 gauge	20-18 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge
Thick Example: Thick antibiotics	18-16 gauge	18-16 gauge	16-14 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	16-14 gauge

SELECT THE NEEDLE TO FIT THE CATTLE SIZE (USE THE SMALLEST PRACTICAL SIZE WITHOUT FEAR OF BENDING)



Changing Needles

How often do you replace your needles?

Proudly Producing Safe, Wholesome and Healthy Beef

NEBRASKA BQA EXTENSION

Animal Health Product Administration

ADMINISTRATION TECHNIQUE

- SUB Q
- INTRAMUSCULAR
- INTRA-NASAL
- INTRAVENOUS

LOCATION

- NECK REGION
- 10 CC PER INJECTION SITE
- 4" OR HANDS WIDTH BETWEEN INJECTIONS

NEBRASKA BQA EXTENSION

Remote Delivery Systems

BQA CONCERNS

- PROPER INJECTION SITE
- CORRECT ROUTE OF ADMINISTRATION
- CORRECT DOSAGE
- BROKEN NEEDLES IN MUSCLE/ CARCASS
- CONSIDER THE BEST WELFARE FOR THE ANIMAL

Fresh Enhanced Bull... Targeted the top of the bulls neck. 800 cc dose containing 10 CC Penicillin at 10 years with a Green Charge Four delivered medication... (54" 10-Port needles)

- Three appeared to deliver a full dose. - One didn't deliver the full dose
- Two darts ejected themselves & flew off like a rocket spewing the Penicillin (video)

NEBRASKA BQA EXTENSION

Handling Vaccines and Health Products

- TRANSPORTING ANIMAL HEALTH PRODUCTS
 - CLOSED
 - APPROPRIATE TEMPERATURE
- STORING ANIMAL HEALTH PRODUCTS
 - OUT OF DIRECT SUNLIGHT
 - APPROPRIATE TEMPERATURE
- MIXING MODIFIED LIVE VACCINES
 - AS NEEDED
 - NO MORE THAN ONE HOUR PRIOR

NEBRASKA BQA EXTENSION

Record Keeping

- HEALTH PRODUCT INVENTORY
- PROCESSING RECORDS
- TREATMENT RECORDS
- WITHDRAWAL TIMES AND MAXIMUM RESIDUE LEVELS
- FEEDSTUFF INVENTORIES
- FEED ADDITIVES

RECOMMEND MAINTAIN FOR 3 YEARS

NEBRASKA BQA EXTENSION

Record Keeping

NEBRASKA BQA EXTENSION

Resources



- UNL BEEF PAGE (BEEF.UNL.EDU)
- NEBRASKA BQA (BQA.UNL.EDU)
- NATIONAL BQA (BQA.ORG)
- COMPENDIUM OF VETERINARY PRODUCTS (BAYER)

NEBRASKA BQA 

Questions??

NEBRASKA BQA 



ROB EIRICH, EXTENSION EDUCATOR
DIRECTOR OF BEEF QUALITY ASSURANCE

308.632.1230
REIRICH2@UNL.EDU

NEBRASKA BQA 