

Medication and Remote Delivery

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Why Remote Delivery Systems?





- ADMINISTRATION OF ANIMAL HEALTH INJECTABLE WITHOUT RESTRAINT
- POPULAR IN REMOTE GRAZING SITUATIONS
- MORE CONVENIENT
- QUICKER DELIVERY
- EASIER TO MEDICATE BAD TEMPERED ANIMALS
- SAFER



Types of Remote Delivery Systems





POPULAR TOOLS AVAILABLE

- POLE SYRINGES
- DART DELIVERY
 - -PNEUMATIC
 - -CO2
 - -.22 CHARGED

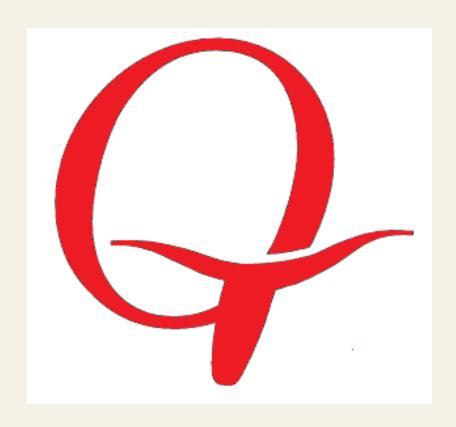




Remote Delivery Systems

BQA CONCERNS

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





Best Welfare for the Animal

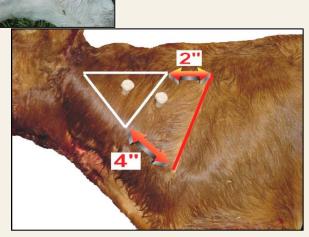




- WHAT IS THE DIAGNOSIS?
- WHAT IS THE BEST FOR THE ANIMAL?
- WHAT ARE YOUR RESTRAINT OPTIONS?
 - -LOCATION
 - -PROPER FACILITIES
 - -PROPER TOOLS
- WHAT IS THE SAFEST FOR THE ANIMAL AND CAREGIVER?



Proper Injection Site

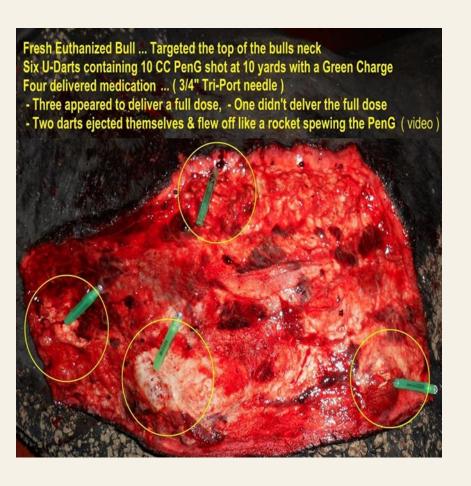




- INJECTION SITE TRIANGLE IN THE NECK
- 10 CC PER INJECTION SITE
- MULTIPLE INJECTIONS SHOULD BE 4" APART
- CONDITIONS EFFECTING FLIGHT PATTERN



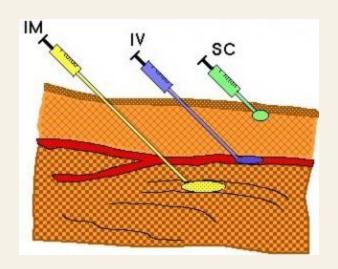
Injection Site



- WEATHER CONDITIONS
 - -WIND
 - -MOISTURE
- DISTANCE
 - -10-30 YARDS
- CORRECT CHARGE/FORCE
- WEIGHT OF PRODUCT DELIVERED



Route of Administration



- INTERMUSCULAR
- SUBCUTANEOUS



Route of Administration										
	(1/2 -	SQ (1/2 - 3/4 inch needle)			IV (1 1/2 inch needle)			IM (1 - 1 1/2 inch needle)		
	Cat	Cattle Weight lbs.			Cattle Weight lbs.			Cattle Weight lbs.		
Injectable Viscosity	<300	300- 700	>700	<300	300- 700	>700	<300	300- 700		
Thin Example: Saline	18 gauge	18-16 gauge	16 gauge	18-16 gauge	16 gauge	16-14 gauge	20-18 gauge	18-16 gauge		
Thick Example: Tetracycline	18-16 gauge	18-16 gauge	16 gauge	16 gauge	16-14 gauge	16-14 gauge	18 gauge	16 gauge	16	
SELECT THE NEEDLE TO FIT THE CATTLE SIZE (THE SMALLEST PRACTICAL SIZE WITHOUT BENDING)										



Dosage





- CORRECT WEIGHT ESTIMATION
- SIZE OF DART
 - 2-10CC
- NEEDLE SIZE
 - 14 GUAGE
 - 3/8"- 2"



Broken Needles/Embedded Darts

LOCATION: ROUND





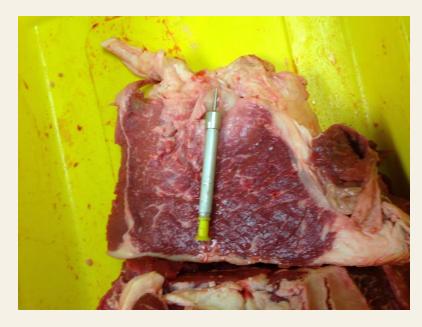


Broken Needles/Embedded Darts



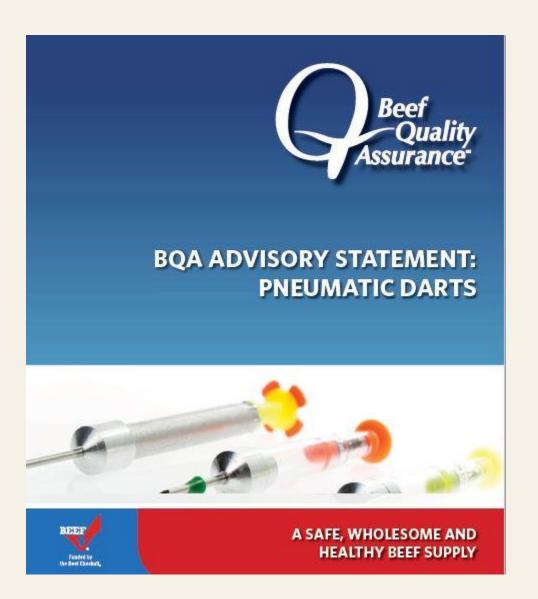


LOCATION: CHUCK





National BQA Advisory



BQA.ORG

- RESOURCES
 - MANUALS



Questions

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