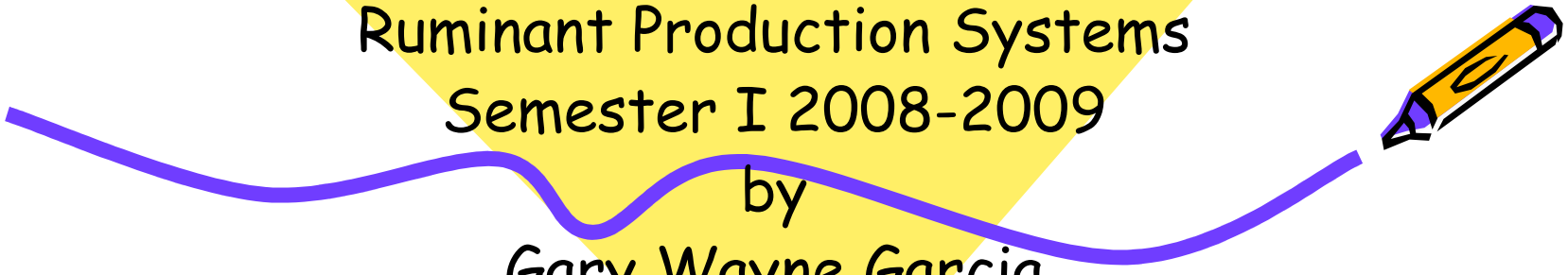
Virtual Tour of the Artificial Breeding Centre [ABC] Aripo Livestock Station

AGLS3003

Ruminant Production Systems

Semester I 2008-2009

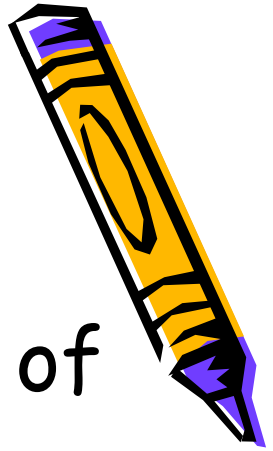


by

Gary Wayne Garcia

The Objective of this Virtual tour is to observe the Process of Semen Collection and Artificial Insemination in Cattle and Domestic Livestock

Some Background Reading



1. Module 2.0 Structure and Function of Animals [Reproductive System]
2. Module 2.1 Reproduction in Mammals
3. Module 5 [Dairy Cattle] of the Course Notes
   - ✓ The Steps involved in Artificial Insemination [AI]
   - ✓ The Advantages and Disadvantages of AI
   - ✓ The Steps involved in Embryo Transfer [ET]

Arrival and Interaction with the Technicians [small and large class]

Some Facilities

- Security Railings in the event of a bull running wild
- Foot Bath with Copper Sulphate Solution

Teaser Bull Stanchion

Preliminary Steps to collection

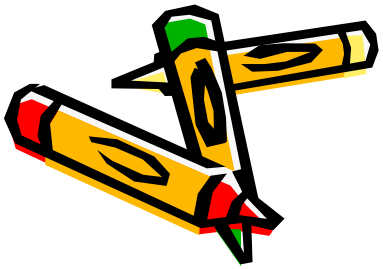
- Preparing the Artificial Vagina

- Securing the Teaser Bull stanchioned on the right [could be vasectomised]

Close up of the Cattle Artificial Vagina

Some Features of the Artificial Vagina

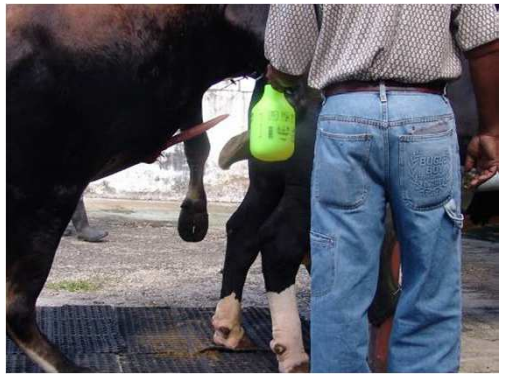
- Main cylinder that is insulated in a jacket that holds warm water to simulate the internal temperature of a Vagina
- Flexible plastic tube that holds the removable semen collection tube



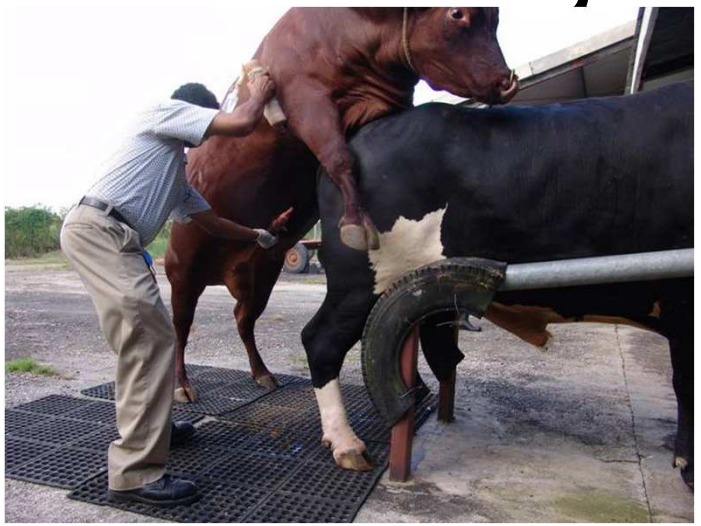
Stimulation of the Donor Bull

- Semen not collected at the first attempt

- Erected or Ejected Sigmoid Flexure [the bull penis] must be sterilized before the Artificial Vagina is finally used to collect the semen



Mounting and Collection of Semen in the Artificial Vagina



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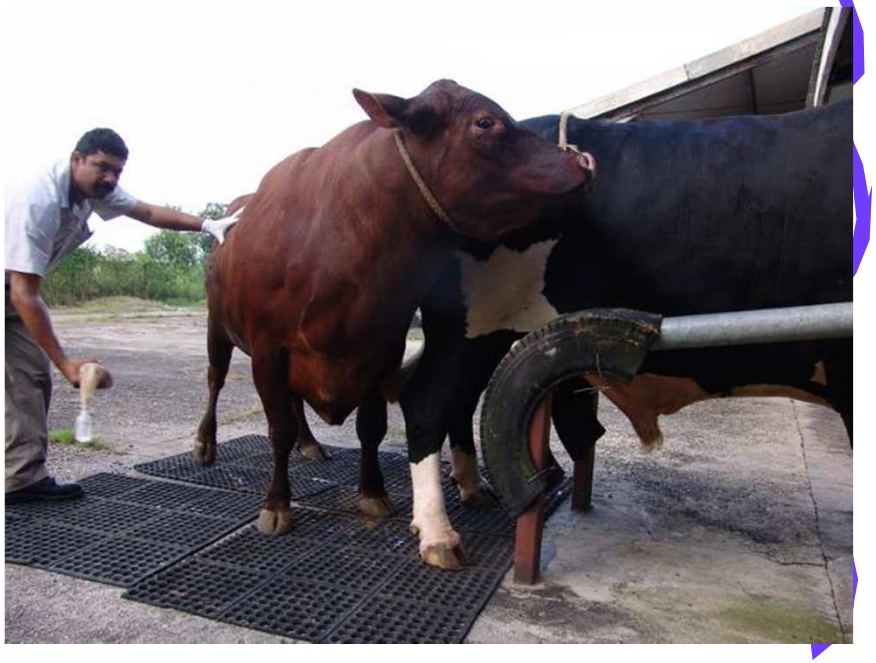

Collected Semen [3 to 5 cc] in the Removable Tube at the end of the Artificial vagina