



Goat non-surgical AI Workshop

Why go through the effort / expense of artificial insemination?

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Why do artificial insemination?

Selection of breeding stock is the most important decision that a producer makes!!!

Artificial insemination,

- when combined with **data-driven** selection of breeding bucks, can accelerate the rate of positive genetic change in a herd
- Wider selection of bucks at lower cost compared to housing live bucks on-farm
- Owners of exceptional bucks can generate income
- Allows long-distance and international movement of genetics
- Allows an on-farm buck to breed many more does
- **Reduced risk of infectious diseases carried by breeding bucks**



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Insemination requires more labor than natural breeding!

- Synchronization takes time and costs money!
- Regular monitoring of does for **estrus** and impending **ovulation**
- Frozen semen AI requires pre-planning to get the semen, and an expensive tank /access to liquid nitrogen.
- Synchronized does will follow AI by kidding synchronously!
(we will also discuss how to inseminate does during spontaneous estrus).
- Pregnancy rates with frozen semen AI will be lower than with live cover.
- Frozen semen must be thawed / handled properly, and insemination must be timed to coincide with ovulation



Many buck owners choose to outsource their semen collection and processing

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Committing to Non-Surgical AI Requires **Aptitude** and **Investment**

- Are you good at planning and coordinating events?
- Are you comfortable handling breeding bucks?
- Do you have an animal handling system that makes synchronization and insemination of does more efficient?
- Are your animals halter-broken?
- Do you have a clean area where semen can be collected and processed?
- Do you have experience working in a lab?
(i.e., pipetting, using a microscope, making up solutions, sterile technique).
- Costs to set up a semen collection / processing laboratory will be considerable higher than costs for synchronization / insemination of ewes.

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Why do YOU want to learn from this course?

- **Synchronize ovulation in a group of does**
Concentrate the labor involved in breeding and kidding into short, predictable time periods
- **Non-surgical insemination at optimum time**
 - 1) to gain access to a genetics from another farm
 - 2) because you can't justify housing another buck
- **Collect, process and transport chilled semen**
You have a great buck, and want to sell his semen