

Vaccination Programs for Sheep and Goats

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How to Handle Vaccines

- Must be kept cool in working refrigerator
 - Do not freeze
 - Keep in cooler with ice pack when vaccinating
- Must be kept sterile
 - Only sterile needle used to draw up vaccine
 - Discard unused vaccine
 - Bacteria may grow in vaccine
 - Abscess formation at site of injection
- Don't use modified live vaccines in animals not labeled for its use
 - Might be ineffective
 - Might be harmful

Vaccinating Against Clostridial Disease

- Inactivated bacteria and toxoids (heat inactivated toxins)
- All sheep and goats except lambs and kids going to slaughter < 16 weeks of age
- Only approved for sheep – use in goats on vet script only
- Must include pulpy kidney, tetanus
- Primary Series – absolutely necessary
 - Usually – 12 to 16 weeks of age
 - Booster 4 to 6 weeks later
- Revaccination – absolutely necessary
 - Every 6 to 12 months – sheep
 - Every 3 months – dairy goats
 - 2 weeks before big risk period
 - 2 to 4 weeks before kidding or lambing to optimize colostral immunity
- 21 day withdrawal for slaughter
- Follow label directions – amount and site of injection

Vaccinating Against Caseous Lymphadenitis

- *Corynebacterium pseudotuberculosis* - *inactivated*
 - Bacterin and toxoid
- Approved for sheep only – goats on vet script only
 - Reactions in goats
- Caseous DT
 - Includes pulpy kidney and tetanus
- Case-Bac
 - Only *C. pseudotuberculosis*
- Vaccine protocol
 - Primary series – 4 weeks apart
 - Annual revaccination
- But must combine with a control program to reduce exposure to the bacteria
- 21 days withdrawal for slaughter

Rabies - Inactivated

- Only use product licensed for large animals
- Who?
 - Sheep flocks in high risk areas
 - Goats on vet prescription only
- Vaccinate at 3 months, then 1 year later then every 2 to 3 years

Abortion Vaccines

- Only on veterinary script
- Campylobacter abortion in sheep - inactivated
 - Primary series
 - First vaccination before breeding
 - Second vaccination 60 to 90 days later
 - Ideally before breeding but OK if early gestation
 - Annual booster before breeding
- Chlamydia abortion in sheep - inactivated
 - On vet advice only for goats
 - Primary series 60 days and 30 days before breeding
 - Annual booster before breeding