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# Keeping Sheep Flocks & Goat Herds Healthy

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## Lecture Goals/Outline

Health guidelines

Specific management goals

Implementation of programs

buy in

cost:benefit

Practice tips from an old fart/sheep and goat killer

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## Biosecurity: Don't buy disease!!!!!!!!!!

- Screening
  - CLA
  - CAE
  - Foot rot
  - OPP
  - Other???



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## Biosecurity

- Parasites
  - Internal
  - External
- Shows
- Fairs
- Sale barns
- Other???



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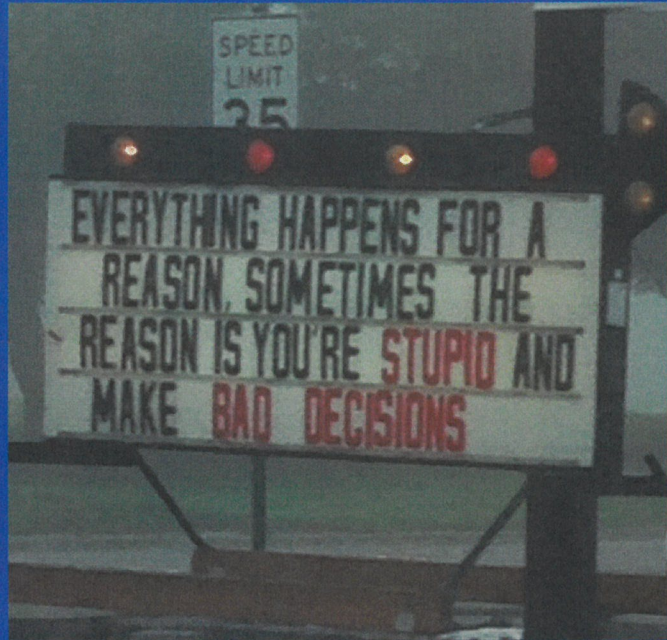
## Disease eradication programs

- CAE and OPP
  - Goals of producer
  - Economics
  - Cull
  - Colostrum /pasteurization

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- Test
  - Lab
  - cost
- Population size
- prevalence



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### Foot Rot: *Fusobacterium necrophorum* and *Dichelobacter nodosus* (Bacteroides)

- Eradication
  - Clean pastures
  - Soaks/baths
  - Antibiotics
  - Vaccination
  - Trimming
  - Isolation

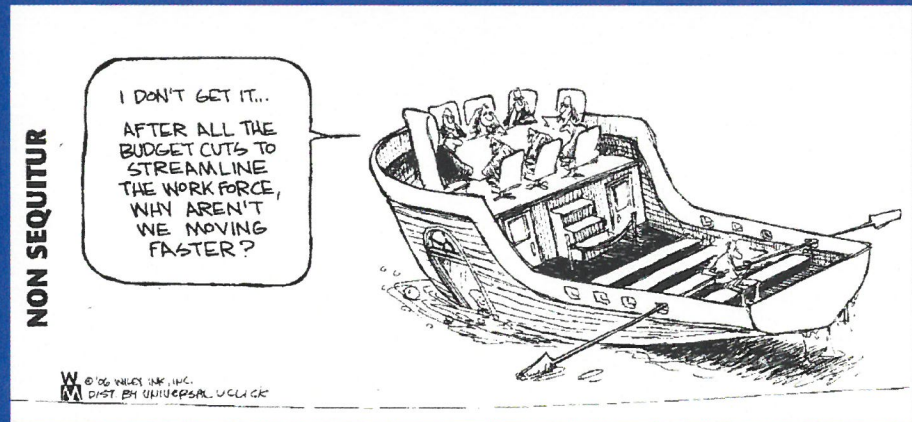


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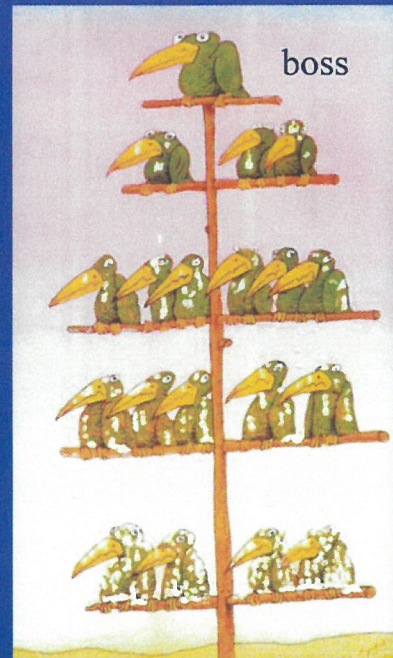
## Caseous Lymphadenitis (CLA) *Corynebacterium pseudotuberculosis*

- Culture
- Test
- Prevalence
- Age groups
- Vaccination
- Cull
- Treat?



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- Vaccination
- Cull
- Treat?
  - Surgery
  - Formalin
  - Long term antibiotics
  - New Home Liniment
  - TrILERMYCIN: 3 River Rule applies



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## Parasites: or why you can't raise sheep and goats anymore!

- Parasite Resistance:
  - All drug classes
  - All drug doses
  - All age animals
- Select for animal resistance to parasites?

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- Clean pastures
- Isolation/deworming
- 2x dose, 2 classes, 3 days, fasting
- New drugs on horizon: NZ & Australia... resistance already developing

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- Refugia
- Cultures
- Fecals
- 80:20 rule
- Cull
- FAMACHA (FAffa MAlan CHArt)



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## Fairs/Shows/Sale Barns

- NOT!!!!
- Popular with clients
  - Hobbies
  - Show jocks
  - Need other hobbies!



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- Animal welfare
- Isolate
- Test
- Medicate?



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## Vaccination Program: Sheep

- C & D or CDT pre-lambing
- Same @ 6-8 wks
- Repeat in 2-3 wks/weaning
- EAE (Chlamydia) pre breeding
- Vibrio (Campylobacter) pre breeding
- Booster for primi parous
- Other endemic diseases of flock
  - Soremouth
  - ?????

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## Vaccination Program Goats

- Pre-kidding C & D or CDT
- C & D or CDT @ 6-8 wks
- Repeat C & D or CDT 2-3 wks
- Other diseases endemic to farm
  - Lepto
  - ?????

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## Nutrition

- Se
- Cu
- Browsers vs grazers



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- **FAT!!!!**
  - Pregnancy toxemia
  - Poor reproductive performance
- **Thin**
  - Pregnancy toxemia
- **Flush**

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## Coccidiosis

- Clean
- Dry
- Ionophores
- Amprolium
- Sulfas
- Decoquinate
- **DOSE!!!!**



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## Respiratory Disease

- Clean
- Dry
- Ventilation
- Vaccination????
- Medication
  - VFD
  - Scripts
  - ELDU

The easiest way to  
eat crow is while  
it's still warm.  
The colder it gets,  
the harder it is  
to swallow.



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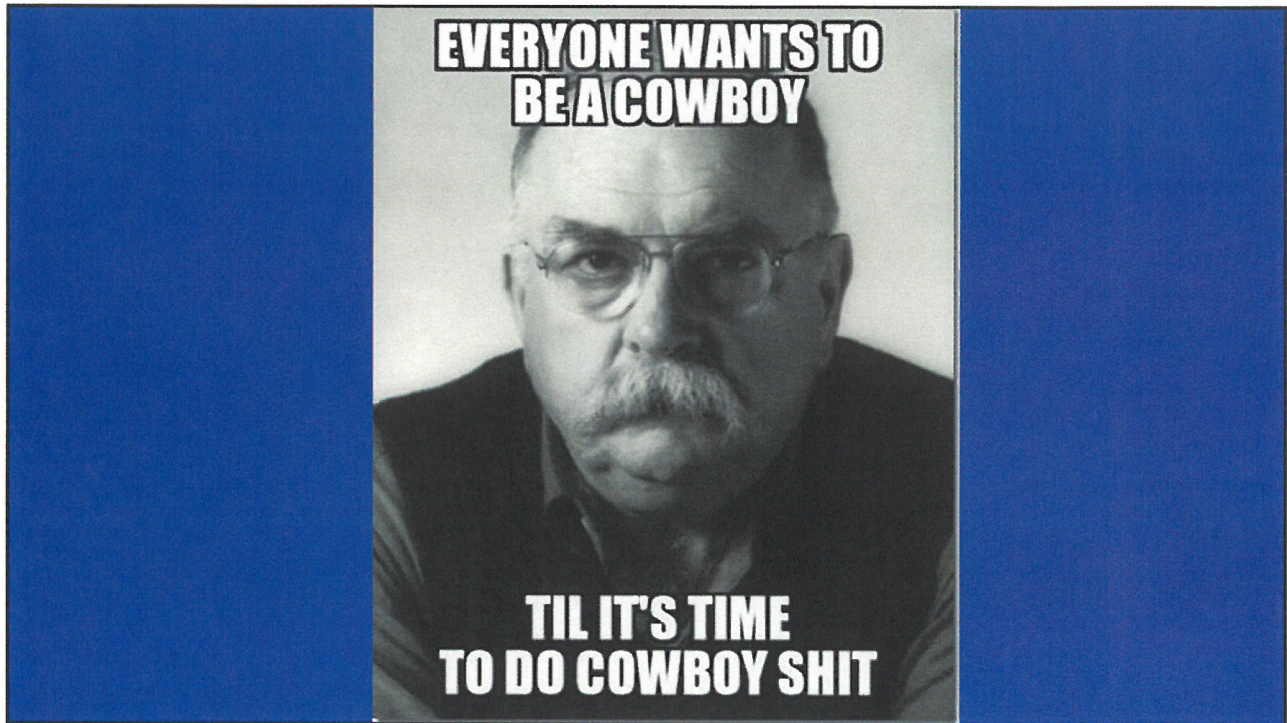
## Enteric Disease

- Clostridium C, D, A
  - Vaccination
  - Antitoxin
  - Medication
- E. coli
  - Vaccination?
  - Colostrum management
  - Environment
- Other?



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