



# Goat Management

## Training Module 3 of 4



rural development  
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Department:  
Rural Development and Land Reform  
REPUBLIC OF SOUTH AFRICA



agriculture  
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PROVINCE OF KWAZULU-NATAL



# Goats

## MRDP and Heifer

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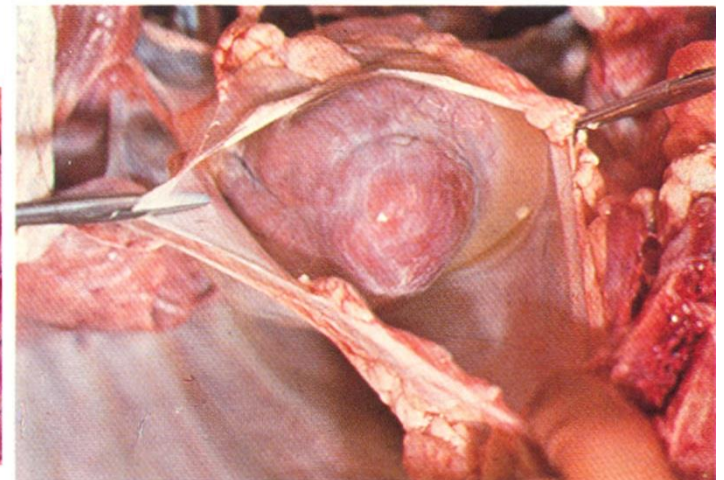
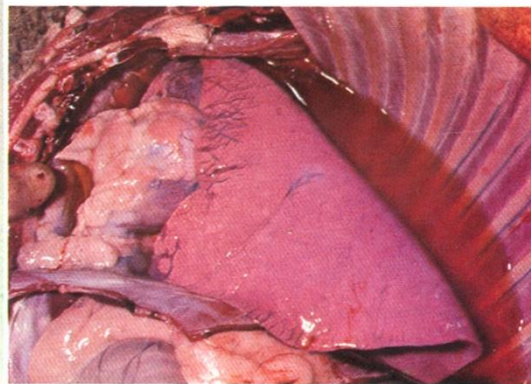
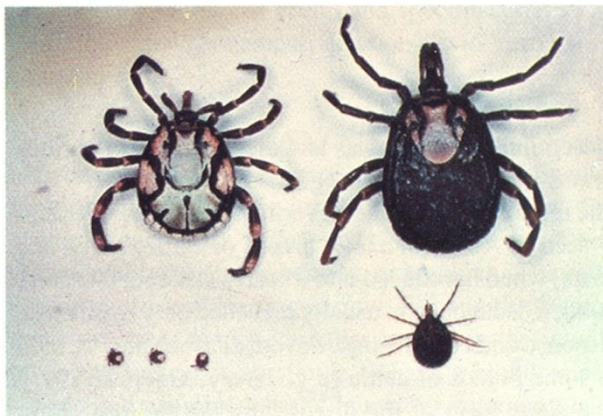
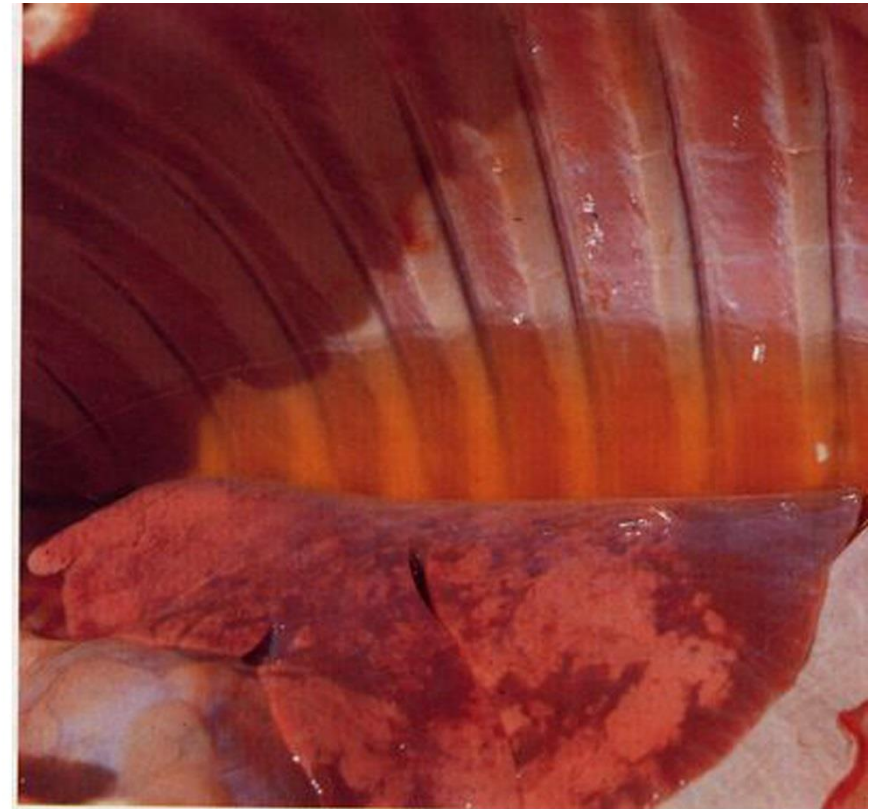
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Page references in this module are based on Goat Production Handbook

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# 1. Heartwater



## **Heartwater- Section 3.1**

Do we see it in this area?

Does it occur in males or females—old or young?

At what time of the year do we see heartwater?

What are the symptoms?

What are some local treatments?

What causes it?

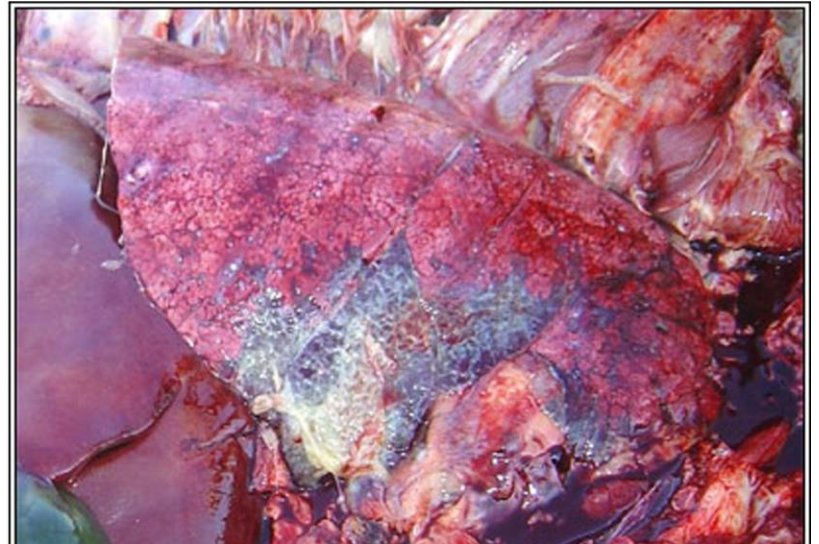
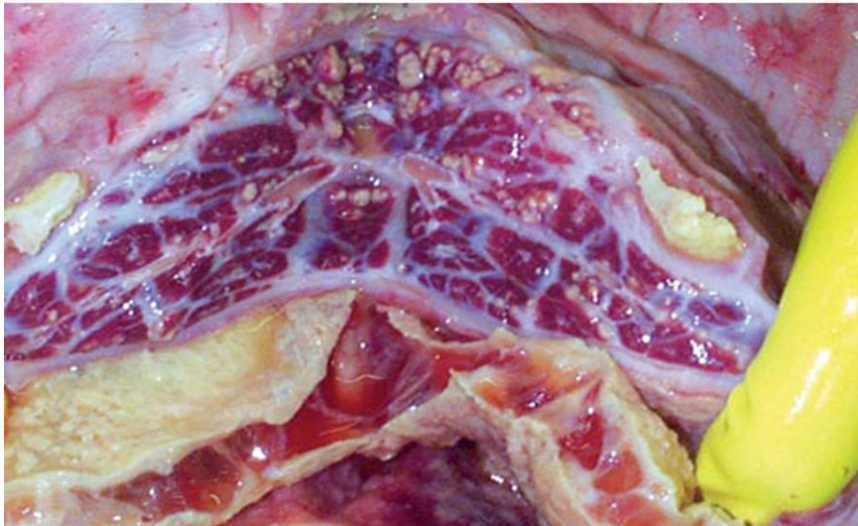
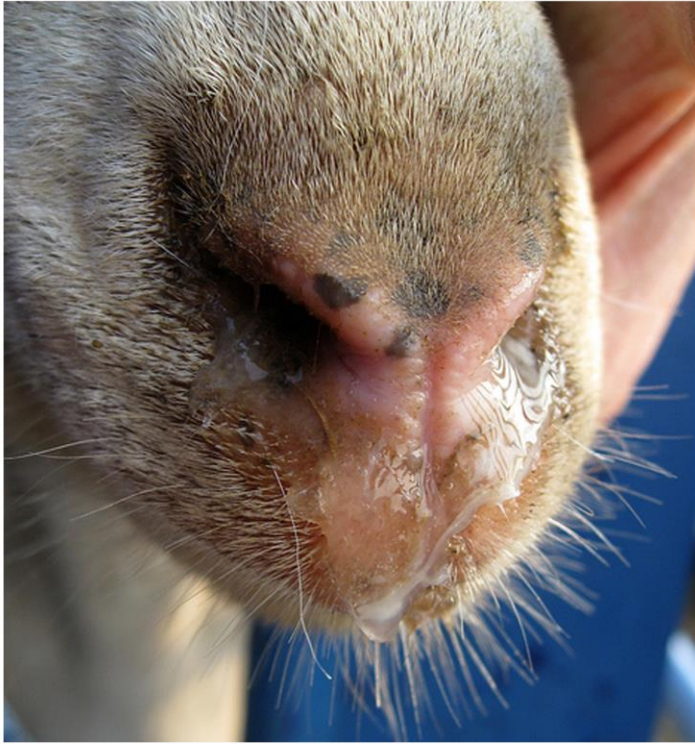
How can it be prevented?

How can it be treated?

Why is it dangerous to move goats from a non heartwater area to a heartwater area?



## 2. Pneumonia



## **Pneumonia- Section 3.13**

Do we see it in this area?

Does it occur in males or females—old or young?

At what time of the year do we see pneumonia?

What are the symptoms?

What are some local treatments?

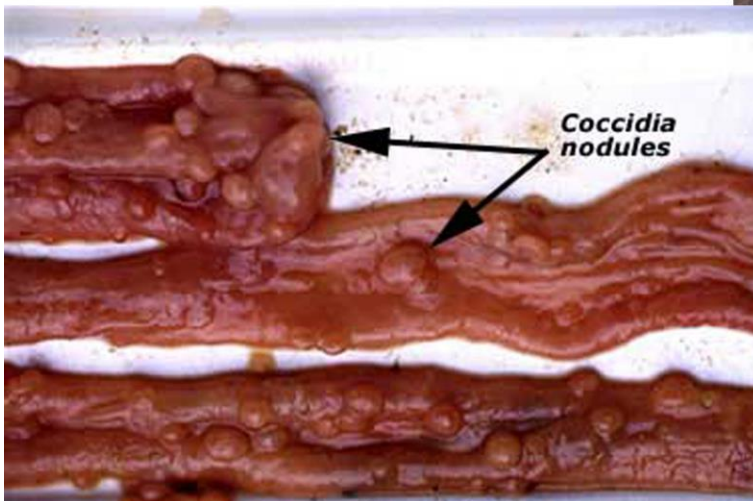
What causes it?

How can it be prevented?

How can it be treated?



### 3. Coccidiosis and Scours





## **Coccidiosis and Scours- Section 3.3-3.4**

How do you know whether its Coccidiosis, Worms or Scours?

### **Coccidiosis**

Do we see Coccidiosis in this area?

What symptoms do you see with coccidiosis?

Does coccidiosis occur in males or females—old or young?

At what time of the year do we see coccidiosis?

What causes it?

How is coccidiosis spread?

What are some local treatments?

How can it be prevented?

How can it be treated?

### **Scours**

Do we see Scours in this area?

Do Scours occur in males or females—old or young?

At what time of the year do we see scours?

What causes it?

How can Scours spread?

What are some local treatments?

How can it be prevented?

How can it be treated?

## 4. Worms





## **Worms- Section 4.1**

Do worms occur naturally?

What makes you aware of worms?

What are the different types of worms?

When do you see them?

What are some local controls or remedies?

Do you currently deworm your entire flock?

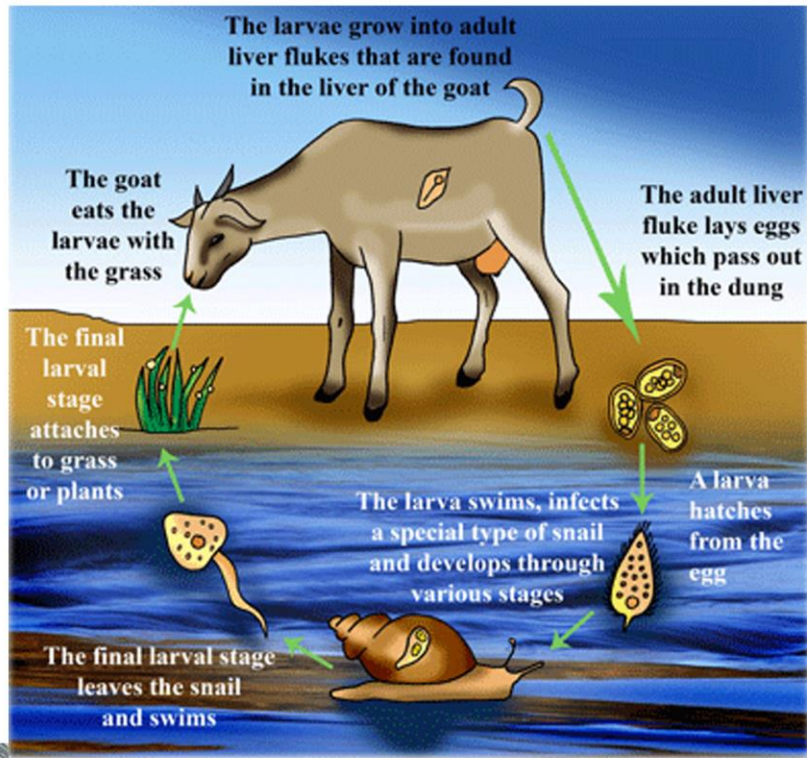
What do you use?

Do you drench or selectively treat?

Do you have seasons where its worse and better?

How are worms spread?

## 5. Liver fluke





## **Liver fluke- Section 4.1**

What flukes have we seen?

What are the symptoms?

What are some local controls or remedies?

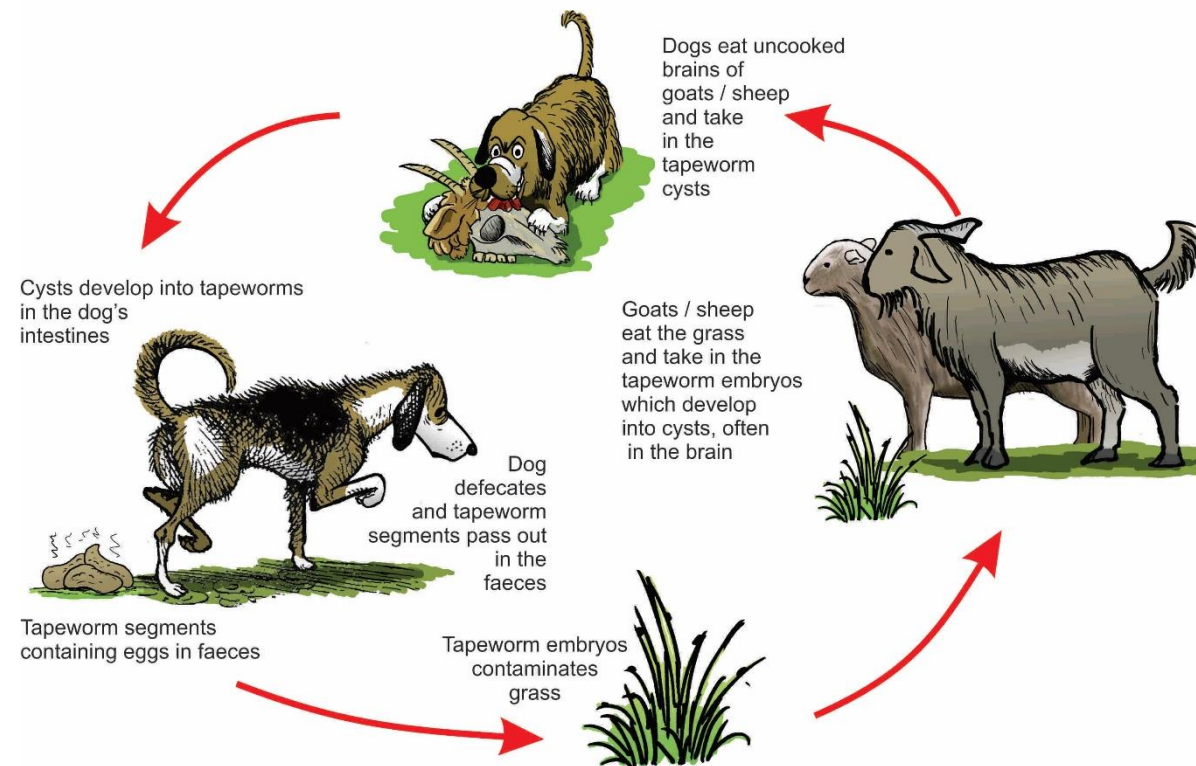
What do you use?

Do you drench or selectively treat?

Do you have seasons where its worse and better?

How are flukes spread?

## 6. Tapeworm cyst





## **Tapeworm cyst- Section 3.5**

Do we see it in our flocks?

What symptoms do we see of this in goats?

Does it occur in males or females—old or young?

At what time of the year do we see this?

How is tapeworm cyst spread?

What are some local treatments?

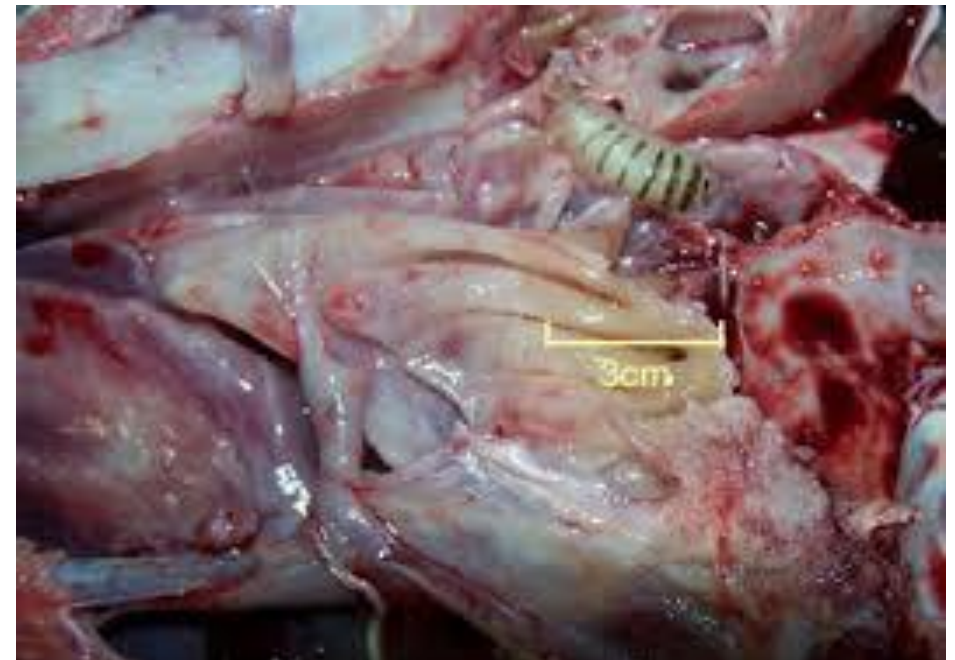
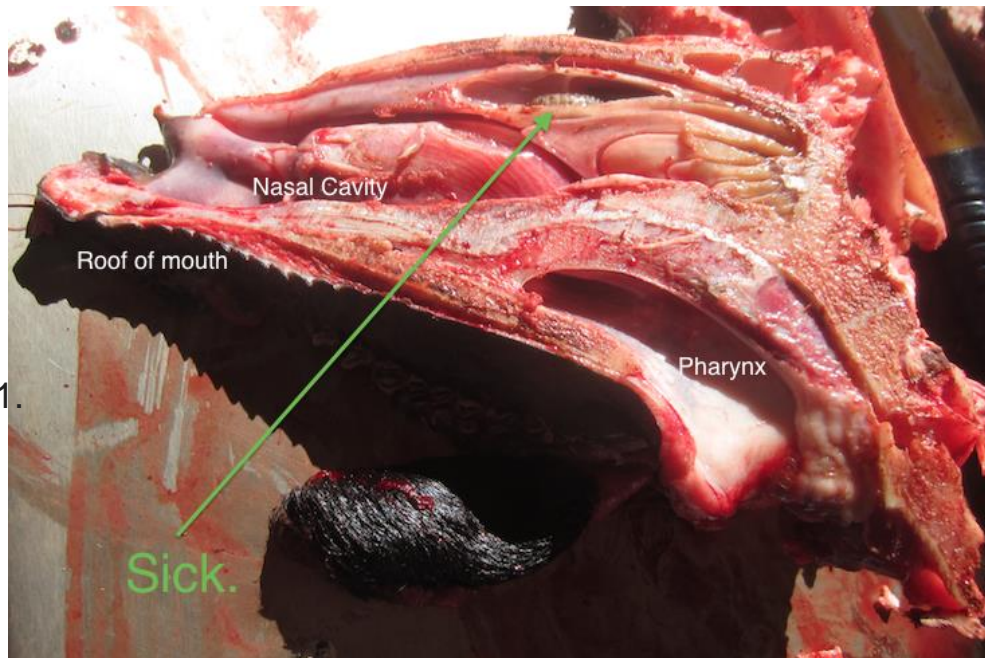
What causes it?

How can it be prevented?

How can it be treated?

How do humans get tapeworm cysts?

## 7. External parasites



## **External parasites- Section 4.2**

What is an external parasite?

Which of these conditions or parasites do you recognise?

How common are they in your area?

What are some of the symptoms that you see for mange? For nasal bot?

What time of the year do you see them?

What can be used to control them?

What can you do to manage them?

What can you do once you have an infestation?



## 8. Orf and Eye infection



FIGURE 3: (a) Typical clinical case of orf virus infection in a sheep (sample A52); (b) Proliferative orf lesions in a Boer goat (sample A93).



# **Orf and Eye infection**

## **Orf- Section 3.6**

Do we see it in this area?

Does it occur in males or females—old or young?

What are the symptoms?

At what time of the year do we see this?

What are some local treatments?

What causes it?

How can it be prevented?

How can it be treated?

Can orf spread between goats?

## **Eye infection**

Do we see it in this area?

Does it occur in males or females—old or young?

What are the symptoms?

What causes different types of eye infections?

At what time of the year do we see this?

What are some local treatments?

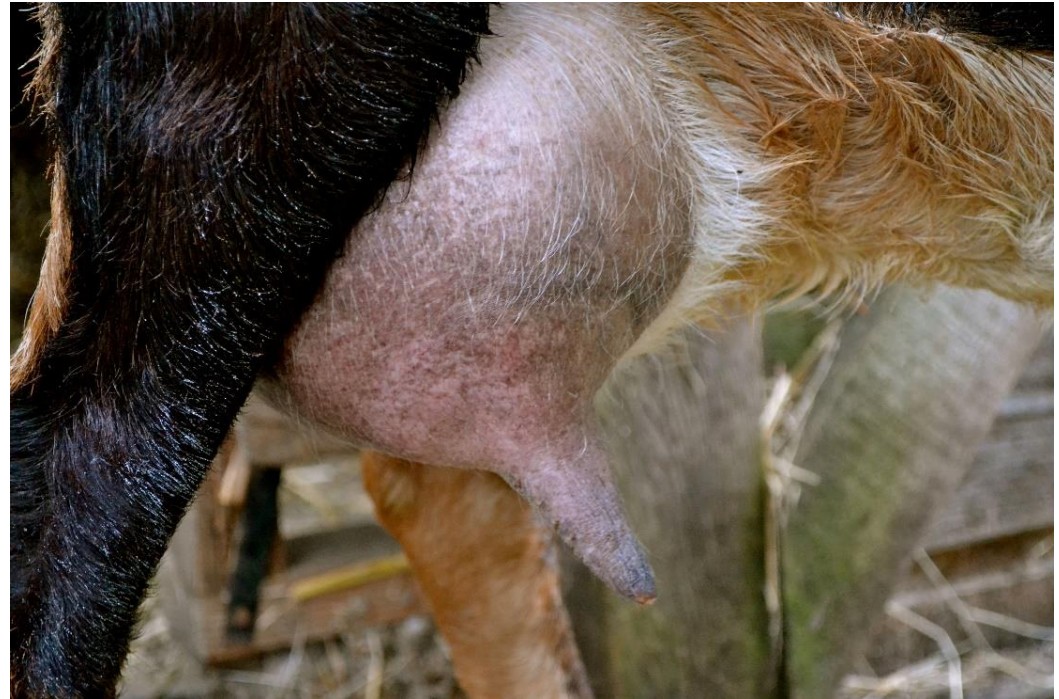
How can it be prevented?

How can it be treated?

Can eye infections spread between other goats?



## 9. Mastitis



## **Mastitis- Section 3.11**

Have you seen this condition before?

What eventually happens if left untreated?

What causes it?

How can it be prevented?

How can it be treated?

How can it spread to other ewes in your herd?



## 10. Abortion



## **Abortion- Section 3.9**

Do you see this happening in your flock?

What causes it?

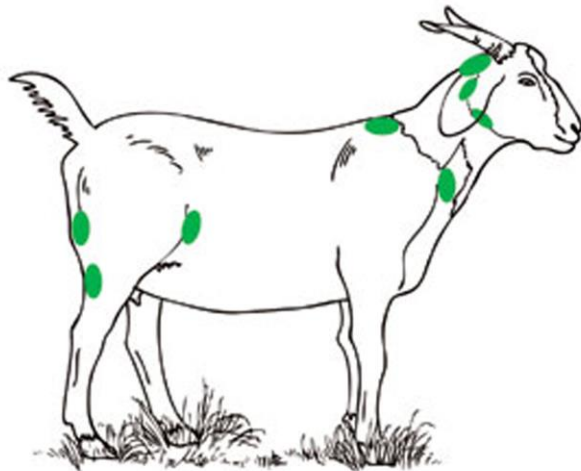
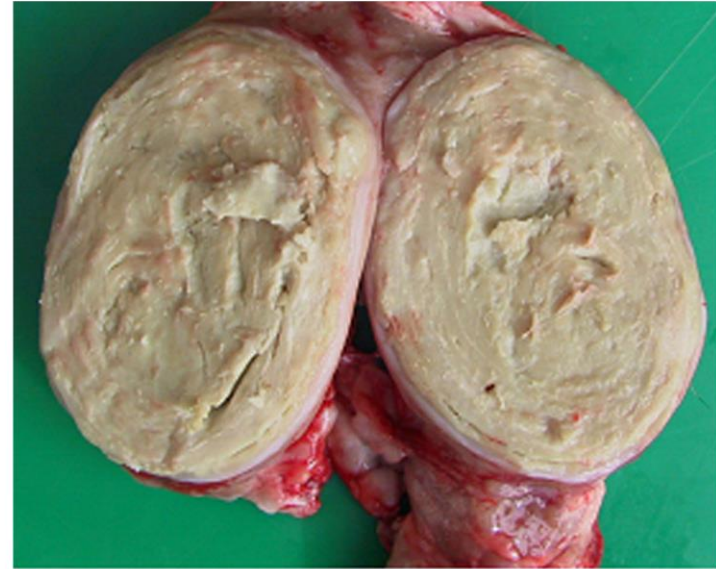
How can it be prevented?

How can it be treated?

**WARNING-**This disease can also infect humans. The enzootic abortion virus is one of these. Use gloves when you handle aborted fetuses and placentas to avoid contact and contamination with the disease-causing organisms.



## 11. Abscesses



## **Abscesses- Section 3.2**

Have you seen these on your goats?

What are the symptoms?

What causes them?

How can they be prevented?

How can they be treated?

How do you prevent infecting more of your goats?



## 12. Hoof trimming and Foot rot





## **Hoof trimming- Section 6.6**

Do your goats get overgrown hooves like this?

What causes this problem?

How can it be managed?

What should you be careful of?

## **Foot rot- Section 3.7**

Do your goats get this problem?

What causes this problem?

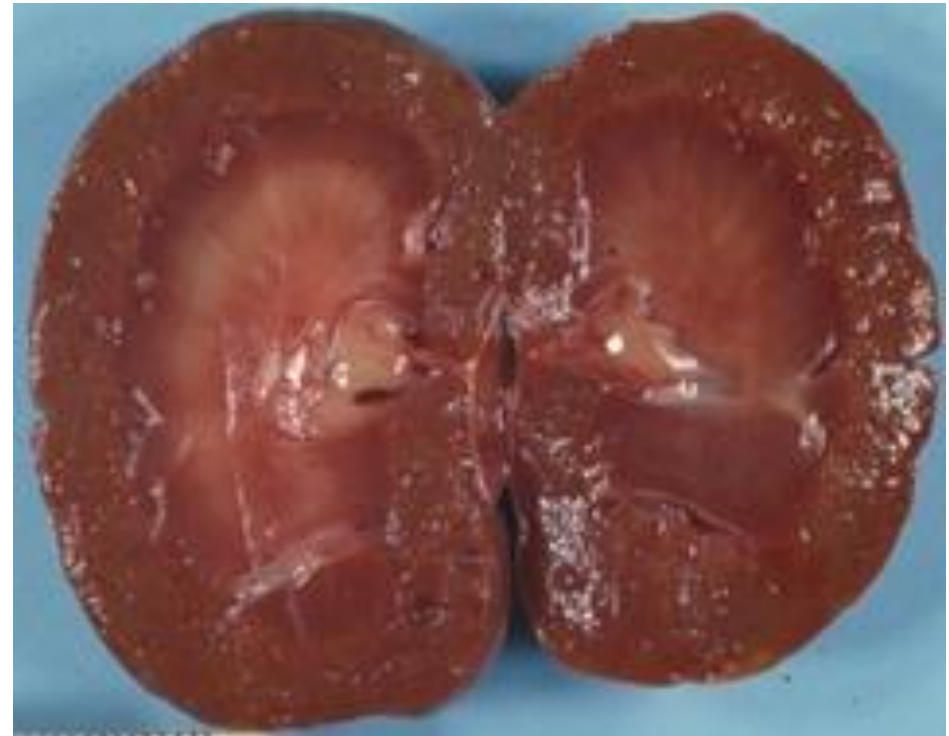
How can it be managed?

How can it be treated?

What should you be careful of?

How is this spread between goats?

### 13. Bloat, Pulpy kidney and Blue tongue



# **Bloat, Pulpy kidney and Blue tongue**

Do you know these diseases? Can any of them spread to other animals?

## **Bloat- Section 3.8**

Do we see it in this area?

Does it occur in males or females—old or young?

What are the symptoms?

At what time of the year do we see this condition?

What are some local treatments?

What causes it?

How can it be prevented?

How can it be treated?

## **Pulpy Kidney- Section 3.14**

Do we see it in this area?

Does it occur in males or females—old or young?

What are the symptoms?

At what time of the year do we see this condition?

What are some local treatments?

What causes it?

How can it be prevented?

How can it be treated?

Can it be vaccinated against?

**Blue Tongue-** same questions as above- Section 3.15



## 14. Vet kit- Consumables



## **Vet kit- Consumables- Section 5.2**

List these items you see here?

What they are for?

Where do you buy these products?

How do you store these products?

What important information do you need to know from the box/bottle?



## 15. Vet kit- Non- Consumables





## **Vet kit- Non-Consumables- Section 5.1**

List these items you see here?

What they are for?

Where do you get these materials?

How long will these non-consumables last?

## 16. Eating disorders and poisonous plants



## **Eating disorders and poisonous plants-**

### **Eating Disorders- Section 4.3**

Have you seen your animals behaving like this?  
Why do they do this?  
How is this behaviour dangerous to your animals?  
How can it be prevented?  
If your animal consumes plastics, what can be done to treat it?

### **Poisonous plants- Section 4.4**

Do you have these plants in your area?  
Are these plants indigenous or alien plants?  
How do they affect your animals?  
How can you treat animals for this type of poisoning?



## 17. Forage growth, storage and supplements



## **Forage growth, storage and supplements- Section 9.2**

When are goats at their hungriest?

Which ones in the herd seem most affected and least affected?

What plant left overs in your area could be collected?

How and where would they need to be stored?

What is the benefit of providing supplements to your animals?



## 18. Supplemental Kid Feeding





## **Supplemental Kid Feeding- Section 11.4**

Do you have kid mortalities?

What time of the year do you most often see kid mortalities?

At what age do you see most deaths?

What could they being caused by?

Are there ways to make the kids stronger?

At what age can you introduce food to the kids?

What could you feed them that's grown locally?

What advantages would they have being able to come and go freely?

What other advantages could they get from having a shelter?

## 19. Breeds pros and cons



## **Breeds, pros and cons**

What breed types do you have in your herd?

What are their strong points?

What would outside breeds bring?

What possible problems could be introduced by outside breeds?