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SENKOBO DISEASE
BEEF SCHOOL 2019
BULAWAYO

SENKOBO DISEASE

What is it?



- *Dermatophilosis congolensis*
- Names-Dermatophilosis, Lumpy wool, Strawberry footrot, Streptothricosis, Rain scold.
- A bacteria with various forms -grows as branching filaments in wounds.
- Resistant zoospores form and survive in crusts and scabs and in the environment.
- With hot weather and moisture they become motile
- Impression smears, histology
- Difficulty getting lab cultures in Zimbabwe
- Stains

SENKOBO DISEASE

Where did it come from?

- Ubiquitous worldwide
- Senkobo disease is the clinical form seen when associated with immune suppression associated with *Amblyomma variegatum* or Tropical bont tick

SENKOBO DISEASE

Where do you find it?

- Reported in most African countries.
- Senkobo-West Africa, Congo basin, Western Zambia.
- Zimbabwe-Lupane-spread east-Gokwe-Mondoro-Sanyati-Makonde-Nyabira
- Followed the spread of the *A. variegatum* tick.

SENKOBO DISEASE

How is it spread?

- It is ubiquitous-motile zoospores spread on the skin of wet animals and enters any superficial injuries or macerated skin
- Can spread between animals by close contact, on thorns, in dipwash and reports of flies as mechanical carriers
- Rain scold-seen in wet calves.

Amblyomma variegatum



Male tick

Amblyomma variegatum



Females- unengorged and fully engorged

Amblyomma hebraeum

male



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What does it look like?



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Severe case



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Severe case under treatment



Severe cases



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Young animals



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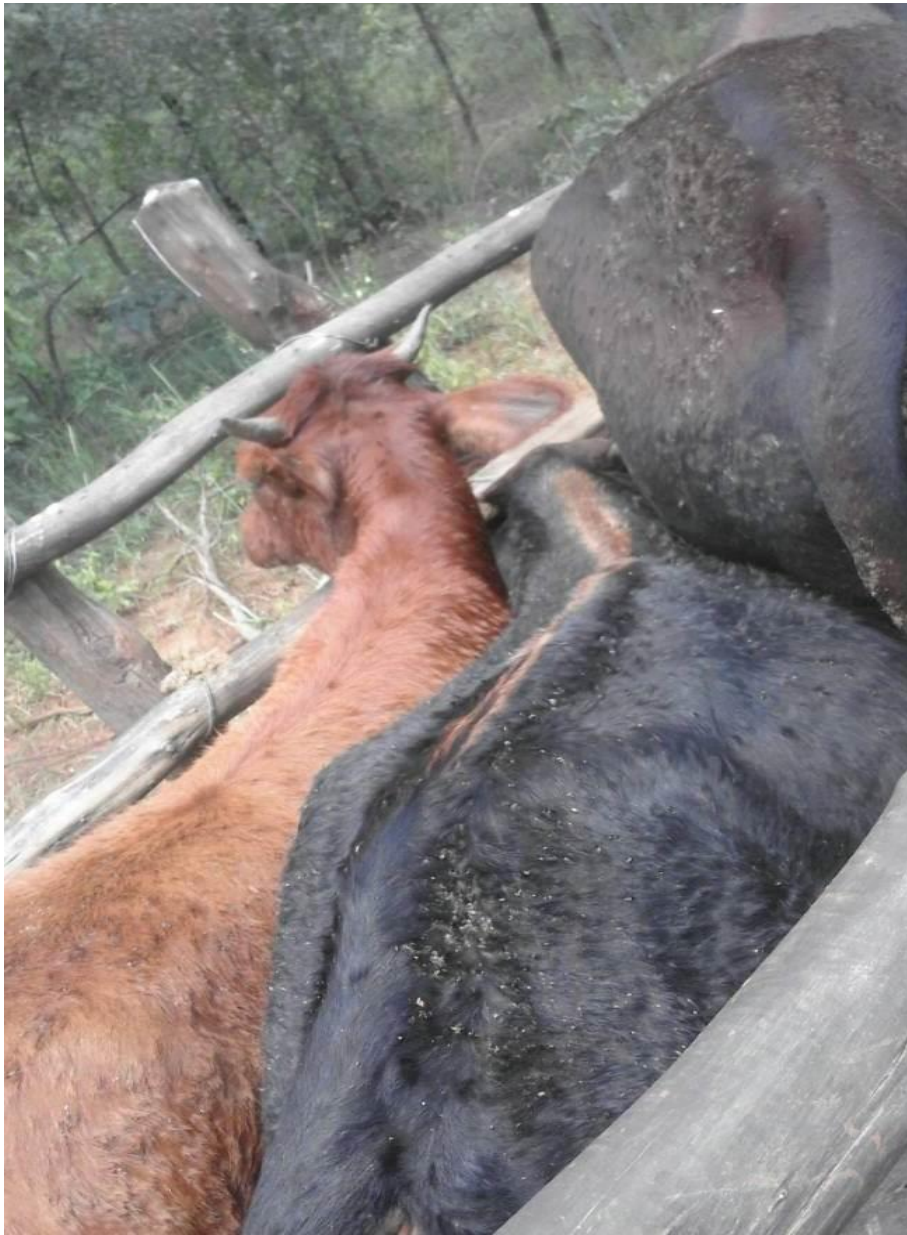
Mixed infection ?



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SENKOBO DISEASE

What else looks like Senkobo?

- In young animals-WARTS Pox virus



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What else looks like Senkobo?

- In young animals-Ringworm fungus



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SENKOBO DISEASE

Can we cure it?

- Remove crusts-be gentle and caring
- Repeated antibiotic treatments- oxytetracyclines, penicillins
- Superficial ointments-zinc sulphate
- Immune stimulants-multivitamin injections and trace elements
- Energy protein supplements and a rising plane of nutrition.
- Good nursing and patience.
- Expensive

SENKOBO DISEASE

Can we prevent it?

- Regular dipping to prevent the protracted immune suppression caused by *Amblyomma variegatum*.
- Prevent spreading to new areas-dip cattle before movement.

SENKOBO DISEASE

What does it look like in sheep?

- In woolled sheep-lumpy wool
- Between claws-strawberry footrot.
- In Dorpers- Dermatophilosis
- Confused with ORF virus and fungus
Sporothricosis diagnosed recently-often
needs biopsy to differentiate.

Dermatophilosis in sheep



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Any Questions?

THANKYOU