

# CATTLE FARMING

VI Sem B.Sc. Zoology – Elective Paper

Swapana Johny  
Assistant Professor  
Dept of Zoology

# COMMON CATTLE DISEASES

# ANTHRAX

- FATAL DISEASE
- BACTERIUM – BACILLUS ANTHRACIS
- OUTBREAKS – RAINY SEASON
- COMMUNICABLE TO HUMANS

# SYMPTOMS

- SYMPTOMS
  - HIGH BODY TEMP 41<sup>0</sup>C
  - SEVERE CONGESTION OF MEMBRANES OF EYES, MOUTH
  - SWELLINGS – DIFFERENT PARTS OF BODY
  - BLOODY DISCHARGE FROM NATURAL OPENINGS
  - DIES WITHIN 10-36 HRS

# PREVENTION

- IMMEDIATE SEGREGATION OF ANIMALS
- VACCINATION IS EFFECTIVE IN CHECKING
- INFECTED CARCASS AND LITTER SHOULD BE BURIED OR BURNT – PLACE SHOULD BE THOROUGHLY DISINFECTED
- IN-CONTACT ANIMAL SHOULD BE GIVEN ANTI-ANTHRAX SERUM



# FOOT AND MOUTH DISEASE

- Contagious disease in cattle characterized by vesicular eruptions in epithelium of buccal cavity, tongue, nares , muzzle, feet, teats and udder
- Picorna virus – smallest virus of animal origin
- Transmission – direct contact, secretions and excretion of animals, infected materials, utensils, water, etc

# Clinical findings

- Incubation period – 28days
- Rise in body temp
- Reduction in milk yield
- Depression
- Foamy ropy salivation
- Protrusion of tongue
- Refuse to eat and pain in oral mucosa
- Shedding of hooves



# Treatment

- No specific treatment
- Antiseptic mouth wash with potassium permanganate, boric acid and glycerin applied over mouth lesions, foot lesions and mammary glands

# Control

- Restriction of animal movement
- Strict quarantine
- Vaccination

