

- Avoid direct contact with the carcass of an animal suspected to have died of anthrax.
- Always wear protective clothing when the carcass is buried or burnt.



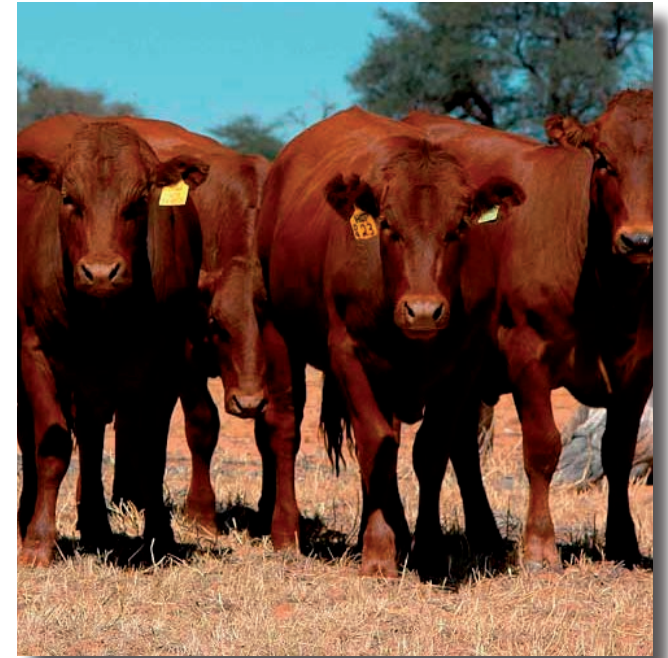
For further information contact your nearest Animal Health Technician or State/Private Veterinarian

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Anthrax



agriculture,
forestry & fisheries

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Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Anthrax

Anthrax is a highly contagious disease of domestic and wild animals which can affect humans

- Animals usually die suddenly, without showing any symptoms of illness.
- However, an effective vaccine is available to prevent the disease.
- The correct handling of affected carcasses will also prevent the spread of the disease.

What causes anthrax?

The disease is caused by the bacterium, *Bacillus anthracis*. When animals die of anthrax, the carcasses should NOT be cut open, because resistant spores are formed following exposure to air, which can survive in the soil for many years. The bloody discharge from the nostrils, mouth and anus, as well as skin, bone and other tissue is important in the spreading of the disease.

Scavengers, vultures and even flies play a big role in the spreading of these resistant spores. Runoff water can also disperse the spores to pans or dams and create concentrated sources of infection in other areas.

The infection is usually acquired by drinking contaminated water, grazing on contaminated pastures or when animals lick contaminated skins, bones, blood or carcasses.



What are the symptoms of anthrax?

- Animals may die within 2 hours without showing any signs of illness (sudden death).
- Fever
- Difficulty in breathing.
- Muscle tremors and redness of the mucous membranes may be observed.
- Blood-stained discharge from the nostrils, mouth and anus.
- Advanced cases may have a swelling of the throat and neck. This could lead to breathing problems and difficulty in swallowing.



How can anthrax be diagnosed?

Anthrax is diagnosed by microscopic examination of a blood smear.

Consult your local veterinarian or animal health technician in this regard.



Never cut the carcass open or eat the meat of an animal that has died suddenly!

How do humans contract the disease?

- Direct contact with affected animals or animal products.
- Inhaling dust which contains spores.

Although people normally contract a skin form of the disease, death may occur in humans as a result of anthrax.

If anthrax is suspected, carcasses should never be handled, cut open or the meat eaten!!

Can animals or humans be treated for the disease?

- Animals often die before the disease can be diagnosed or the animals treated.
- Humans and resistant animals, such as pigs, dogs and horses can, however, be treated with antibiotics.
- Consult your doctor if contact with anthrax is suspected.

Control

Animals

- Vaccinate livestock annually against anthrax.
 - Do not cut open carcasses of animals which have died if anthrax is suspected.
 - Bury these carcasses at a depth of at least 2 m and treat the soil liberally with chloride of lime.
 - Carcasses may also be burnt without cutting these open.
 - Report suspected cases immediately to the nearest animal health technician or state veterinarian.
 - The state veterinarian may prescribe methods to disinfect the premises, transport vehicles and other products.
- Anthrax can be prevented with the cooperation of every farmer!

Humans

- The carcasses of affected animals should never be eaten!