

# Combating and Controlling Nagana and Tick-Borne Diseases in Livestock

Part of the Advances in Environmental Engineering and Green Technologies Book Series

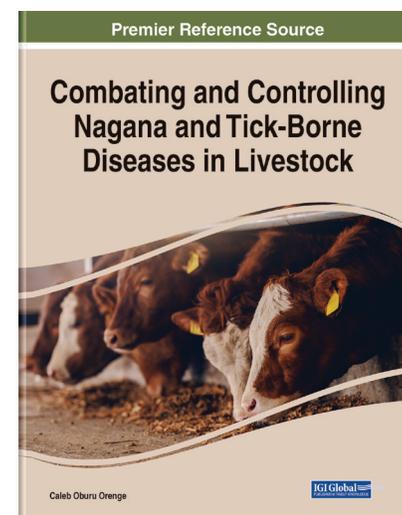
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## Description:

African animal trypanosomiasis (AAT), also called nagana, is a trans-boundary disease that has had an immense impact on cattle and is ranked among the top global cattle diseases. This and tick-borne diseases have caused major obstacles to sustainable livestock-based agricultural production and food security and are important factors in underdevelopment.

Due to decreasing efficacy of available drugs, widespread trypanosome resistance, and the difficulty of sustaining other control measures, there is a need for alternative sustainable strategies to reduce the impact these diseases have on livestock.

**Combating and Controlling Nagana and Tick-Borne Diseases in Livestock** provides the latest empirical research findings on the effects of African animal trypanosomiasis (nagana) and tick-borne disease infection in livestock, their impact on farmer livelihoods, and the measures that can be undertaken to mitigate negative effects and reduce the number of infections. While highlighting topic areas such as disease history and transmission, treatments, and the economic impacts, this book is essential for farmers, animal health and animal production professionals and practitioners, non-government organizations, researchers, academicians, and students working in fields that include but are not limited to agriculture, livestock production, environmental science, veterinary medicine, veterinary pathology, and epidemiology.



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## Topics Covered:

African Animal Trypanosomiasis (AAT)

African Swine Fever

Avian Spirochaetosis

Disease Control in Livestock

Disease Transmission in Livestock

Economic Impact of Livestock Diseases

Epidemiology

Ganjam Disease

Livestock Production

Nairobi Sheep Disease Virus (NSDV)

Tick-Borne Diseases

Treatments for Disease

Trypanotolerant Livestock

**Subject:** Environmental, Agricultural, and Physical Sciences

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level (Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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