

TABLE OF CONTENTS

Pests and Vector-borne Diseases in the Livestock industry

Front Matter

1. Livestock pests and vector-borne diseases – a much neglected subject

Case studies of livestock pests

2. Arthropod pests in the poultry industry

3. Veterinary importance and integrated management of Brachycera flies in dairy farms

4. Acaricides: current status and sustainable alternatives for controlling the cattle tick, *Rhipicephalus microplus*, based on its ecology

5. Sheep myiasis: a one health perspective

Case studies of vector borne diseases in livestock

6. Integrated control of trypanosomosis

7. Prevention and control of tick-borne anaplasmosis, cowdriosis and babesiosis in the cattle industry

8. Mosquito-borne diseases in the livestock industry

9. Case studies of vector-borne diseases in livestock: bluetongue virus

State of the art interventions

10. Public-private partnership enabled use of anti-tick vaccine for integrated cattle fever tick eradication in the USA

11. Biological control with parasitoids

12. Biological control of livestock pests: entomopathogens

13. Semiochemical tools for a new generation of livestock pest control

14. Genetic control of vectors

15. Biosecurity: methods to reduce contact risks between vectors and livestock

16. The Fly Simulator: a simulation model of stable flies and their control

Impact of vector control

17. Case study: costs of Culicoides-borne arboviral diseases

18. Controlling tsetse – what does it cost?

19. Acceptability of vector control actions or co-production of innovations?

Conclusion

20. Control of vector-borne diseases in the livestock industry: new opportunities and challenges

Back Matter.