Training Course on Parasite Control Strategies in Livestock

Professional Development Training Course Outline

Category	Agriculture	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Livestock health and productivity are significantly impacted by internal and external parasites, making effective parasite control strategies essential for sustainable animal agriculture. Training Course on Parasite Control Strategies in Livestock is designed to empower farmers, veterinarians, animal health technicians, and agribusiness professionals with science-backed tools and strategies to identify, manage, and prevent parasitic infestations. With a rising global demand for organic and antibiotic-free animal products, integrated parasite management (IPM) is a trending and sustainable approach in modern animal husbandry. The course provides a blend of cutting-edge research, field-tested practices, and case-based learning to build actionable knowledge for combating parasites across various livestock systems.

This course covers everything from the biology of livestock parasites to the economic impact of infestations and the latest biological, chemical, and cultural control methods. Participants will gain practical skills in diagnosis, treatment planning, rotational grazing strategies, and the use of natural and synthetic anthelmintics. Real-world case studies, hands-on learning, and customizable parasite control plans ensure relevance across regions and livestock types. With climate change contributing to evolving parasite behaviors, this course is timely, relevant, and SEO-rich, targeting key sectors in sustainable livestock farming, veterinary medicine, and agribusiness innovation.

Programme Curriculum

Training Course on Parasite Control Strategies in Livestock

Introduction

Livestock health and productivity are significantly impacted by internal and external parasites, making effective parasite control strategies essential for sustainable animal agriculture. Training Course on Parasite Control Strategies in Livestock is designed to empower farmers, veterinarians, animal health technicians, and agribusiness professionals with science-backed tools and strategies to identify, manage, and prevent parasitic infestations. With a rising global demand for organic

and antibiotic-free animal products, integrated parasite management (IPM) is a trending and sustainable approach in modern animal husbandry. The course provides a blend of cutting-edge research, field-tested practices, and case-based learning to build actionable knowledge for combating parasites across various livestock systems.

This course covers everything from the biology of livestock parasites to the economic impact of infestations and the latest biological, chemical, and cultural control methods. Participants will gain practical skills in diagnosis, treatment planning, rotational grazing strategies, and the use of natural and synthetic anthelmintics. Real-world case studies, hands-on learning, and customizable parasite control plans ensure relevance across regions and livestock types. With climate change contributing to evolving parasite behaviors, this course is timely, relevant, and SEO-rich, targeting key sectors in sustainable livestock farming, veterinary medicine, and agribusiness innovation.

Course Objectives

1. Understand the epidemiology of parasitic infections in livestock.
2. Identify major internal and external parasites affecting cattle, sheep, goats, pigs, and poultry.
3. Apply Integrated Parasite Management (IPM) techniques effectively.
4. Develop customized anthelmintic treatment protocols.
5. Evaluate pasture and rotational grazing strategies for parasite reduction.
6. Assess climate-driven parasite dynamics and their implications.
7. Conduct cost-benefit analyses of parasite control methods.
8. Implement sustainable and eco-friendly parasite control solutions.
9. Utilize biological control agents and herbal remedies.
10. Monitor anthelmintic resistance trends and preventive strategies.
11. Interpret fecal egg count (FEC) data for precision parasite treatment.
12. Improve animal welfare and productivity through preventive care strategies.
13. Align parasite control with One Health and food safety principles.

Target Audiences

1. Livestock Farmers
2. Veterinary Officers
3. Animal Health Technicians
4. Agriculture Extension Workers
5. Veterinary Pharmacy Distributors
6. Livestock Feed and Drug Companies
7. Government and NGO Livestock Officers
8. Agricultural Students and Researchers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Livestock Parasites

- Classification: internal vs. external parasites
- Lifecycle of common parasites
- Routes of infection and transmission
- Host-parasite relationships
- Clinical signs and diagnosis
- **Case Study**: Outbreak of Haemonchosis in sheep in central Kenya

Module 2: Impact of Parasites on Livestock Productivity

- Reduced weight gain and milk yield
- Impact on reproductive performance

- Economic losses at farm and market levels
- Secondary infections
- Resistance to common treatments
- **Case Study**: Cost analysis of parasitic infestation in dairy cattle

Module 3: Anthelmintic Drugs and Resistance Management

- Classes of anthelmintics
- Mechanism of action
- Signs of drug resistance
- Best practices in drug rotation
- Withdrawal periods and residue control
- **Case Study**: Managing resistance to Ivermectin in goats

Module 4: Pasture Management and Grazing Strategies

- Rotational grazing techniques
- Stocking density management
- Forage type and parasite load
- Benefits of pasture rest
- Soil and dung beetle activity
- **Case Study**: Improved pasture design reduces parasite burden in cattle

Module 5: Biological and Alternative Control Methods

- Nematophagous fungi and predators
- Use of medicinal plants and herbal dewormers
- Nutritional interventions
- Breeding for parasite resistance
- Integrated systems approach
- **Case Study**: Adoption of bio-wormer technology in organic sheep farming

Module 6: Monitoring and Diagnosis Techniques

- Fecal Egg Count (FEC) methodology
- Larval culture and identification
- Skin scrape and tape test
- Necropsy and post-mortem exams
- Record keeping and trend monitoring
- **Case Study**: Precision parasite control using FEC in a mixed herd

Module 7: Designing a Farm-Specific Parasite Control Plan

- Risk assessment per species and age group
- Farm-level mapping of hotspots
- Treatment calendar development
- Community-level education
- Continuous monitoring and review
- **Case Study**: Building a year-round parasite control calendar for a piggery

Module 8: Policy, Climate Change, and Future Perspectives

- National guidelines and regulations
- Climate change and emerging threats
- Zoonotic risks and One Health
- Public health and food safety implications

- Innovations in parasite diagnostics and vaccines
- **Case Study**: Climate-linked tick invasion in northern Uganda

Training Methodology

- Interactive lectures and expert-led presentations
- Practical demonstrations and lab sessions
- FEC analysis and microscopic diagnostics
- Role-playing and real-life problem-solving
- Group discussions and scenario building
- Participant-led development of control plans

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
09 Nov 2026	13 Nov 2026	Online	$1,000
09 Nov 2026	13 Nov 2026	Physical	$1,500
09 Nov 2026	13 Nov 2026	Physical	$3,000
09 Nov 2026	13 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
09 Nov 2026	13 Nov 2026	Physical	$6,000
09 Nov 2026	13 Nov 2026	Physical	$4,500
09 Nov 2026	13 Nov 2026	Physical	$6,000
09 Nov 2026	13 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com