Training Course on Dairy Herd Health Management

Professional Development Training Course Outline

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

Course Introduction

Dairy Herd Health Management is a critical aspect of sustainable livestock farming and high-yield milk production. With the rising global demand for dairy products and the need to minimize disease outbreaks and maximize productivity, effective herd health strategies have become a top priority for farmers, veterinarians, and agribusiness professionals. Training Course on Dairy Herd Health Management is designed to empower stakeholders with practical knowledge, evidence-based practices, and real-world case studies in proactive herd health monitoring, disease prevention, and productivity optimization.

The course blends modern animal health science with digital tools, biosecurity protocols, and smart farm practices. Participants will gain hands-on skills in herd health planning, early disease detection, milk quality management, antibiotic stewardship, and cost-effective nutrition strategies. By the end of the program, learners will be able to implement sustainable, welfare-focused approaches that enhance milk yield, reduce losses, and ensure compliance with international dairy standards.

Programme Curriculum

Training Course on Dairy Herd Health Management

Introduction

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stewardship, and cost-effective nutrition strategies. By the end of the program, learners will be able to implement sustainable, welfare-focused approaches that enhance milk yield, reduce losses, and ensure compliance with international dairy standards.

Training Objectives

1. Understand the principles of dairy herd health and welfare.
2. Apply biosecurity measures to prevent disease transmission.
3. Use digital health monitoring tools for early disease detection.
4. Develop and implement vaccination schedules for dairy herds.
5. Identify and manage common infectious diseases in cattle.
6. Monitor and improve milk quality and udder health.
7. Promote antimicrobial resistance (AMR) awareness and responsible use.
8. Optimize nutrition management for productivity and immunity.
9. Design a record-keeping system for herd health and production.
10. Integrate reproductive health management in herd planning.
11. Implement heat stress and lameness management strategies.
12. Evaluate cost-effective veterinary intervention plans.
13. Align herd practices with global dairy health regulations.

Target Audiences

1. Dairy farm owners
2. Livestock veterinarians
3. Veterinary students
4. Dairy farm managers
5. Animal science researchers
6. Agricultural extension officers
7. Feed and nutrition consultants
8. Agribusiness investors

Course Duration: 5 days

Course Modules

Module 1: Introduction to Dairy Herd Health

- Fundamentals of herd health and animal welfare
- Common herd health challenges in dairy farming
- Importance of preventive veterinary care
- Farm structure and its role in health outcomes
- Risk assessment frameworks
- **Case Study:** Health trends in high-yield dairy farms

Module 2: Biosecurity and Disease Control

- Core biosecurity practices
- Isolation, quarantine, and visitor control
- Disinfection and farm hygiene protocols
- Control of zoonotic diseases
- On-farm emergency health plans
- **Case Study:** Successful biosecurity adoption in East Africa

Module 3: Disease Diagnosis and Monitoring

- Signs of common diseases in dairy cattle

- Use of wearable tech and health sensors
- Blood, fecal, and milk sample diagnostics
- Data interpretation for early intervention
- Reporting and traceability systems
- **Case Study:** Using AI tools for mastitis detection

Module 4: Vaccination and Treatment Protocols

- Vaccine types and scheduling
- Drug withdrawal periods and compliance
- Parasite control and deworming
- Non-antibiotic treatment alternatives
- Cold chain maintenance
- **Case Study:** Improving herd immunity in mixed farms

Module 5: Udder Health and Milk Quality

- Anatomy and physiology of the udder
- Prevention and control of mastitis
- Milking hygiene best practices
- California Mastitis Test (CMT)
- Antibiotic residue control
- **Case Study:** Boosting milk quality through hygiene protocols

Module 6: Nutrition and Metabolic Disease Prevention

- Role of balanced feed in immunity
- Mineral and vitamin deficiencies
- Prevention of ketosis and acidosis
- Transition cow management
- Feed efficiency metrics
- **Case Study:** Impact of nutrition plans on milk yield

Module 7: Reproductive and Lameness Management

- Heat detection and breeding strategies
- Calving assistance and postpartum care
- Hoof trimming and lameness scoring
- Causes and prevention of reproductive failure
- Artificial insemination timing
- **Case Study:** Reducing lameness in zero-grazing systems

Module 8: Record Keeping and Farm Health Audits

- Digital record-keeping tools
- Health and production data analytics
- Benchmarking and KPIs
- Planning annual herd health reviews
- Aligning with national and international health standards
- **Case Study:** Tech-enabled herd audits in commercial dairy farms

Training Methodology

- Interactive PowerPoint presentations and infographics
- On-farm practical demonstrations
- Group discussions and role-playing scenarios

- Video tutorials on digital monitoring systems
- Expert guest lectures from veterinarians and agri-tech leaders
- Assessment through case study presentations and quizzes

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
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

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

Register Online Now

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