Dairy Production & Management Training Course

Professional Development Training Course Outline

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

Course Introduction

Dairy Production & Management Training Course is designed for aspiring dairy professionals, farm managers, and agricultural entrepreneurs aiming to excel in the rapidly evolving dairy industry. This course emphasizes sustainable dairy practices, high-yield production techniques, advanced animal nutrition, and modern farm management strategies. Participants will gain practical insights into herd health management, milk quality improvement, and profit-oriented operational planning. Through hands-on case studies and real-life farm simulations, learners will develop the skills needed to enhance productivity, ensure animal welfare, and adopt innovative technologies in dairy operations.

With the dairy sector growing globally, this training equips professionals with cutting-edge skills in herd management, value-added dairy products, biosecurity, and smart farming technologies. The curriculum combines interactive learning, expert-led workshops, and field demonstrations, ensuring participants can immediately apply their knowledge to improve operational efficiency and profitability. Whether managing smallholder farms or large commercial dairies, learners will master techniques to optimize milk production, reduce operational costs, and implement sustainable, climate-resilient practices.

Programme Curriculum

Dairy Production & Management Training Course

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Course Duration

5 days

Course Objectives

1. Enhance dairy farm productivity using modern management strategies.
2. Implement advanced animal nutrition for high milk yield.
3. Apply herd health and disease prevention protocols effectively.
4. Master sustainable and climate-smart dairy practices.
5. Optimize milking and milk handling techniques for quality assurance.
6. Improve feed management and cost-efficient ration planning.
7. Incorporate dairy farm automation and smart farming tools.
8. Develop skills in value-added dairy product development.
9. Strengthen biosecurity and hygiene management on dairy farms.
10. Learn profitability and financial management strategies for dairies.
11. Adopt precision livestock farming and farm monitoring systems.
12. Enhance marketing, supply chain, and distribution of dairy products.
13. Analyze case studies to implement best practices in real-world scenarios.

Target Audience

1. Dairy farm owners and managers
2. Agricultural graduates and students
3. Veterinarians and livestock specialists
4. Agripreneurs and dairy startup founders
5. Farm extension officers
6. Nutritionists and feed consultants
7. Dairy cooperative managers
8. Government and NGO professionals in livestock development

Course Modules

Module 1: Dairy Farm Management

- Principles of effective farm planning
- Herd record-keeping and productivity tracking
- Labor and resource management
- Cost-benefit analysis in dairy operations
- Case Study: Improving farm profitability through optimized resource allocation

Module 2: Animal Nutrition & Feeding

- Balanced ration formulation for dairy cows
- Feed quality assessment and storage techniques
- Nutrient requirements for different lactation stages
- Use of supplements and probiotics
- Case Study: Enhancing milk yield through precision feeding

Module 3: Herd Health & Veterinary Care

- Common diseases and prevention strategies
- Vaccination and deworming schedules
- Stress management and welfare practices
- Reproductive health monitoring
- Case Study: Reducing disease incidence via herd health protocols

Module 4: Milk Production & Quality Control

- Milking procedures and hygiene standards
- Milk testing and quality assurance
- Handling and storage of milk
- Contamination prevention techniques
- Case Study: Achieving premium milk quality in a commercial dairy

Module 5: Sustainable Dairy Practices

- Waste management and eco-friendly solutions
- Water and energy conservation
- Climate-resilient dairy strategies
- Organic and antibiotic-free dairy production
- Case Study: Transitioning a conventional farm to sustainable practices

Module 6: Dairy Technology & Automation

- Smart farming tools and IoT in dairy management
- Automated milking systems
- Precision livestock monitoring
- Data-driven farm decisions
- Case Study: Implementing farm automation to increase efficiency

Module 7: Value-Added Dairy Products

- Cheese, yogurt, butter, and ghee production techniques
- Product standardization and packaging
- Market trends for dairy innovations
- Regulatory compliance for value-added products
- Case Study: Launching a profitable artisanal dairy product line

Module 8: Marketing, Finance & Supply Chain

- Dairy market analysis and business planning
- Cost management and financial forecasting
- Branding and distribution strategies
- Cold chain logistics and inventory management

- Case Study: Expanding a dairy cooperative’s reach with strategic marketing

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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

Start Date	End Date	Location	Price
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
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

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