



Introduction

Dairy farming provides an excellent opportunity for self-employment of unemployed youth. It is also an important source of income generation to small/marginal farmers and agricultural labourers. Since agriculture is mostly seasonal, there is a possibility of finding employment throughout the year for many persons through dairy farming. Landless labourers. The white revolution of 70's had made spectacular land marks in Indian milk production scenario. India is the largest milk producer of the world. The increasing cost of feed ingredients and its seasonal variability can be reduced by undertaking fodder cultivation.



Proper feeding of cattle to best quality

- •Convincing local farmers to prioritise proper feeding of cattle to maximise milk quantity and quality, rather than giving them what's left over from crops grown for human consumption, is also a challenge.
- •Reducing stress levels is seen as key: Bhagyalaxmi cows are untethered and have individual pens with rubber mats instead of straw or hard brick floors. Music plays in the milking parlour.
- •Another part of the programme is improving indigenous stock: already male calves from Bhagyalaxmi, born through artificial insemination from pedigree bulls in north America, are being given to local farmers.



Requirement of Dairy farming in India

- Proper shed construction.
- Surplus area of land for cultivation of green fodder (1-2 acre of land is sufficient for 15 cows)
- Adequate water supply
- Good breed of cows (High yielding cows HF, Jersey, sahiwal etc)
- Fodder management (Dry fodder, green fodder and concentrate)
- Labour
- Proper vaccination schedule



Fodder Management

Cattle health mainly depends upon the type and nutritional facts of the fodder. High milk yield cows must be given 1kg of concentrate in 2.5ltr of milk yield. If a cow yields 10 ltrs of milk then scintifically they should be provide with 4 kg of concentrate with mineral mixture. In fodder management we should know that there are three types of fodder what we give to the cattle.

- Dry fodder
- •Green fodder
- Concentrate and mineral mixture.



The major contents of the book are dairy farming, poultry production, breeding, fertility, forage grass and concentrates, cow behaviour and health, manufacture of butter and cheese, process measurements and controls, components of poultry diets etc. This book also describes about the feed manufacturing process, butter and cheese manufacturing processes with diagrams, housing system and management of broilers and more.



The first book of its kind which covers complete details of dairy and poultry farming, processing how to feed cows, birds in dairy and poultry, kind of diseases and their cure and other information related farming. This book will be an invaluable resource to dairy and poultry technology, institutions and for those who want to venture in this field.



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Weaning

Care of Weaned Calf

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Care During Parturition

Post-parturition Care



Frequency of Calving
Secretion of Milk
Factors Influencing Secretion
Composition of Milk
Water

Fat

Casein

Albumin

Globulin

Non-protein Nitrogenous Substances



Lactose

Minerals

Enzymes and Vitamins

Milk Flavours

Variation in the Composition of Milk

Properties of Milk

Specific Gravity

Density

Refractive Index

Viscosity

Surface Tension



Freezing Point Heat Stability of Milk **Testing of Milk** Milk Sampling Milk-fat **Adulteration of Milk** Urea **Ammonium Sulphate** Glucose Freezing Point of Test



Bacteriology of Milk Public Health Aspects of Milk and Milk Products **Detection of Bacterial Contamination** Use of Detergents for Cleaning of Utensils Cleaning In-place (CIP) Washing and Sterilization of Utensils Judging the Quality of Milk Clot-on-boilingTest. Alcohol Test.



Methylene Blue Reduction Test **Processing of Milk Cooling Media** Storage of Chilled Milk Clarification of Milk Homogenization Standardization of Milk **Pasteurization** Holder Method. High Temperature Short Time (HTST) Method. Operation of the Plant.



Cold Storage Uperization Process Aseptic Filling Process Sterilized Milk Supply of Milk to Customers Dispensing in Cans. Dispensing in Bottles Single Service Containers Storage of Bottle Milk Transport of Pasteurized Milk Milk Products Cream



Cream Separators Pasteurization of Cream Vacreation Sterilized Cream Curd (DAHI) **Starter Cultures** Butter **Desi Butter Creamery Butter** Ghee **Prestratification Method**



Manufacture of Butter-oil **Condensed Milk** Milk Powder Infant Food Weaning Food **Humanized Infant Food** Khoya Ice-cream Softy Ice-cream Milk Shake Lassi



Acidophilus Milk

Chhana

Cheese

Processed Cheese

Shrikhand

Lactose

Casein

Milk Supply Schemes

Indian Dairy Corporation

Operation Flood Project

Marketing of Milk and Milk Products



Research in Dairying
Indigenous Milk Products
Whey Protein Isolates
Dairy Engineering Research

2. Breeding
Breeds of Cattle
Lyre-Horned Grey Cattle
Kankrej
Kanwariya
Kherigarh



Malvi

Tharparkar

White or Light Grey Cattle With Coffin-Shaped Skulls

Bachaur

Gaolao

Hariana

Krishna Valley

Mewati

Nagauri

Ongole

Rathi



Animals with Heavy Built and Curly Horns

Dangi

Deoni

Gir

Nimari

Red Sindhi

Sahiwal

Mysore Breeds with Prominent Foreheads and Long Horns

Hallikar

Amritmahal

Khillari



Kangayam Alambadi Hilly Breeds Ponwar Siri **New Breeds** Karan Swiss Karan Fries **Breeds of Buffaloes** Murrah Bhadawari **Jaffarabadi** Surti



Mehsana Nagpuri Nili-Ravi Herd Book **Eeonomic Zones** Temperate Himalayan Region **Dry Northern Region** Wet Eastern Region Southern Region **Coastal Region** Improvement Programme **Performance Evaluation**



Arttifical Insemination and Embryo Transfer Technology **Meat Potential Economics of Dairy Farming Animal Health Feeding of Cattle Mineral Matter** Nutritive Requirements of Dairy Cattle for Maintenance **Nutritive Requirements for Growing Animals** Requirements for Milk Production **Nutrient Requirements for Work Cattle**



3. Breeding and Fertility

Inheritance

Systems of Breeding

Practical Application

Large-scale Breeding

Evaluating a Bull for Al

Choosing an AI Sire

The Oestrus Cycle

Heat Detection

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Conception Rate

Control of Oestrus

Pedigree Cattle



Embryo Transplants Culling

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Grazing and Eating
Ruminating and Lying Down
Walking and Other Activities
Social Rank
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Dung
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Milk Yield

Preventive Medicine



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Food Constituents



Organic Matter Digestion Digestibility **Products of Digestion Utilization of Digested Products** Food Energy **Dry-matter Intake** Indigestible Organic Matter Liveweight Changes **New Protein System** Feeding **Allocation of Concentrates Minerals**



Vitamins
Relative Feed Costs

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Carrots, Parsnips and Potatoes

Kale

Cabbages and Rape

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Cereals

Forage Maize



Red Clover Grass and Forage Crops Comparative Yields Straw **Straw Processing Concentrated Foods Energy Straights Protein Straights Concentrate Formulation** Fats and Oils **Urea and Biuret Blocks and Liquid Feeds Brewers' Grains**



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Pasilac Cheesemaking Vat

Swiss Cheese Vat

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Thiamin, Vitamin B1

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Measurment of Liquid Level Hydrostatic Pressure Capacitance Level Gage Weight Measurment Controllers **Pneumatic Controllers** Controllers **Process Control Transmitters** Flow Transmitter **Density Transmitter Regulating Device**



28. Physical Properties of Dairy Products

Density

Over-run

Boiling and Freezing Point

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Rheological Properties

Viscosity

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Food Texture

Surface Properties

Foaming

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Specific Heat

Latent Heat

Thermal Conductivity

Thermal Diffusivity

Electrial and Dielectric Properties

Electric Conductance

Dielectric Properties

Changes in Milk and its Constituents

Changes During Storage

Oxidation of Fat

Oxidation of Protein

Lipolysis

Effect of Heat Treatment



Fat
Protein
Enzymes
Lactose
Vitamins
Minerals

29. Poultry Production

Common Poultry Breeds
American Class
Asiatic Class
Mediterranean Class
English Class



Indigenous Breeds Karaknath Genetic Principles **Quantitative Characters Dominant and Recessive Characters** Chromosomes Inheritance of Quantitative Traits Objective of a Breeding Programme **Basis of Selection** Selection Methods **Mating Systems Methods of Mating** Important Economic Traits in Poultry



Egg Production

Egg Weight

Egg Quality

Body Size

Conformation

Growth

Feed Efficiency

Fertility and Hatchability

Commercial Poultry Breeding Principles and Practices

Commercial Hybrid Chicken

Breeding Systems

Performance Testing of Commercial Crosses



Culling for Better Returns **Culling from Outward Appearance** Culling on the Basis or Moulting Culling on the Basis of Pigmentation Hatching of Eggs Incubation **Testing of Incubated Eggs** Hatchery Management Sexing of Chicks **Poultry Management Brooder Management**



Grower Management Layer Management Male Management Housing for Poultry Feeding of Poultry **Minerals Vitamins Feed Ingredients Conventional Poultry Feeds** Non-conventional Poultry Feeds **Energy Sources** Vegetable Protein Sources



Animal Protein Sources Economising Feeds Cost Processing, Preservation and Marketing Composition and Nutritive Value of Egg Maintenance of Shell Egg Quality Grading Preservation of Shell Eggs Preservation of Liquid Eggs **Egg Marketing Distribution Channel** Marketing Agencies



Poultry Meat
Preservation of Poultry Meat
Tenderization
Poultry by Products
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Brooder Guards
Supply of Water to Chicks
Supply of Feed to Chicks
Light Management of Broilers
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Sexing Room

Vaccination, Packing and Dispatch Room



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Dorking
Indian breeds
Aseel
Chittagong
Kadaknath
Commercial Broilers
Franchise Hatcheries



Tags

Dairy Farming Business, Dairy Farming Business, How to Start a Dairy Farm Business, Dairy Farming. Dairy Farm ,How to Start a Dairy Farming Business in India, India Farming Business, Cows Milk Processing, Modern Dairy Farm, Modern Dairy Farming, Working on a Dairy Farm in India, Dairy Farming Business, Milk Production, Dairy Farming Business Project, How to Start a Dairy Farming Business With Business Plan, to Start a Dairy Farm, Dairy Business, Dairy Farming & Milk Production, Dairy Farm Plan, Dairy Farm Business Plan in India, World Best Dairy Cow Farming in India, How to Start a Small Cattle Farm, Set Up any Type Of Dairy Farming, Dairy Farming Set Up Guide and Tips, How to Start a Successful Dairy Farm, Ideal Cattle Shed, How to Start Your Own Milk Dairy Business, Large Scale Dairy Farm, Dairy Farming and Dairy Products with Cattle Breeding, Small Dairy Farm Business Plan, How to Start a Dairy Farm With Small Investment, Dairy Farming Business Plan, Modern Dairy Farming Business, Dairy Farming Business in India, How to Start Your Dairy With Less Investment in India, Milk Processing Business, Cow Milk Making Business, Business of Cattle Farming, How to Start Dairy Product Manufacturing Business in India, Small Scale Dairy Farming in India, Milk Dairy Farm Business Plan



How to Start Milk Dairy Business, Large Scale Dairy Farm, Commercial Dairy Farming, Mini Dairy Plant, Low Cost Small Business Ideas for India, Best Small Business Ideas in India to Start Business, 100% Risk Free Business, Profitable Small Business Ideas with Small Investment, Best Home Based Business Ideas, Best Part Time Business Ideas to Start New Business, Best Ideas for Low Budget Business and More Profits, Top Best Small Business Ideas for Women in 2017, Most Profitable Business Ideas with Low Investment, Easy Simple Best Unique Low Cost Small Investment, Start up Business Ideas, Secret to Making Money by Starting Small Business, Small Business Ideas with Small Capital, Top Best Small Business Ideas for Beginners 2017, Small Business But Big Profit in India, Best Low Cost Business Ideas, Small Business Ideas that are Easy to Start, How to Start Business in India, Top Small Business Ideas in India for Starting Your Own Business, Top Easy Small Business Ideas in India, Small Investment Big Returns, Top Best Small Business Ideas in India, Business Ideas With Low Investment, How to Get Rich?, Low Cost Business Ideas, Simple Low Cost Business Ideas



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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



Contact Us

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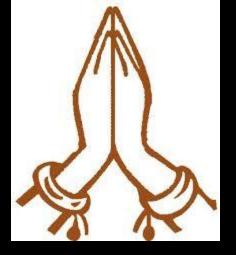


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