

Rabbit, Goat, Sheep, Poultry, Fish and Pig Farming with Feed Technology

Author:- NIIR Board of Consultants & Engineers

Format: paperback

Code: NI127

Pages: 564

Price: Rs.1100US\$ 125

Publisher: NIIR PROJECT CONSULTANCY SERVICES

Usually ships within **5** days

Livestock and poultry in Indian tropical and subtropics play a critical role in agricultural economy by providing milk, wool, meat, eggs and draft power and provide flexible reserves during period of economic stress and buffer against crop failure. Rabbits are raised up off the ground and are one of the cleanest animals produced as meat and hence do not even need to be wormed. Rabbits are among the most productive of domestic livestock, making them efficient sources of food for an ever increasing population with diminishing resources. Up to 98.7% of the rabbits can be used for meat, fur, in laboratories, as fertilizers, in toys and novelties. The large demand for animal wool seems to be assured. Sheep rearing is the major source of livelihood to small and marginal farmers and landless laborers in hilly areas, arid and semi-arid region of India. Goat is a multi functional animal and plays a significant role in the economy and nutrition of landless, small and marginal farmers in the country. It creates employment to the rural poor besides effectively utilizing unpaid family labor. There is ample scope for establishing cottage industries based on goat meat and milk products and value addition to skin and fiber. Fish is a good source of animal proteins; Man has realized its importance from the very inception of the evolution of the human race. It has been the sole diet for many island nations before the evolution of farming techniques. Poultry is one of the fastest growing segments of the agricultural sector in India today. The production of agricultural crops has been rising at a rate of 1.5 to 2 % per annum that of eggs and broilers has been rising at a rate of 8 to 10 % per annum. From a backyard hobby it has culminated into an industry. Among the various livestock species, piggery is most potential source of meat production and more efficient feed converters after the broiler. Apart from providing meat, it is also a source of bristles and manure. Pig farming will provide employment opportunities to seasonally employed rural farmers and supplementary income to improve their living standards. The contribution of pork products in terms of value works out to 0.80% of total livestock products and 4.32% of the meat and meat products.

This book basically deals with rabbit keeping, feeding systems, feed requirements and balanced rations, angora wool utilization in cottage industries, useful information for goat breeding measures of increasing potential of range land nutrients requirements of goats, conversion efficiency of indigenous breeds of goats, sources and functions of the nutrients in sheep, breeds of poultry, inheritance of plumage in turkeys, commercial poultry farming, nutrition of broiler type chickens, how to economise on poultry feed cost, principles of fish culture, culturable fish and shellfish, nutritional requirement and artificial shrimp feed preparation, types of antibiotics for pigs etc.

This book provides detailed information on the livestock and poultry farming and rearing

technique with described process of feeding systems, feed requirements and balanced rations, harvesting commercial products from them. This book is an invaluable resource for the entrepreneurs, institutions and professionals.

Chapter 1

RABBIT KEEPING

BASIC INFORMATION

SLAUGHTERING AND SKINNING

Chapter 2

BREEDS OF ANGORA RABBITS

IMPORTANT BREEDS WITH SALIENT CHARACTERS

EXTERNAL PARTS OF ANGORA RABBIT

SELECTION OF BREEDING STOCK

Chapter 3

NUTRITION AND FEEDING

ANTATOMY OF DIGESTIVE TRACT

PHYSIOLOGY OF DIGESTION

NUTRITIONAL REQUIREMENTS

TYPES OF FEED AND BALANCED PELLETTED RATION

FEEDING SYSTEMS, FEED REQUIREMENTS AND BALANCED RATIONS

Chapter 4

GENETICS AND BREEDING

GENETICS

GENETIC IMPROVEMENT

Chapter 5

WOOL PRODUCTION

HARVESTING OF WOOL

ANGORA WOOL QUALITY AND COMPOSITION

ANGORA WOOL AND INDUSTRIAL UTILIZATION

ANGORA WOOL UTILIZATION IN COTTAGE INDUSTRIES

Chapter 6

BREEDS AND BREEDING OF GOATS

ORIGIN AND CLASSIFICATION OF GOATS

MODIFIED SCORE CARD FOR MEAT TYPE GOATS

DESIRABLE FEATURES FOR SELECTION OF GOATS

CENTRES OF RESEARCH ON GOATS

CENTRAL REGION: (RAJASTHAN, M.P., GUJARAT AND NORTH MAHARASHTRA)

QUALITY OF INDIAN BREEDS OF GOAT

USEFUL INFORMATION FOR GOAT BREEDING

NUMBER OF CHROMOSOMES OF DIFFERENT ANIMALS

Chapter 7

FEEDS AND FEEDING OF GOATS

DIGESTION IN GOATS

DIGESTION IN GOATS/SHEEP

CARE AND MANAGEMENT OF KIDS

FEEDING SCHEDULE OF KIDS

SCIENTIFIC APPROACH OF FEEDING DAIRY GOATS

FEEDING OF GOATS: A SCIENTIFIC APPROACH

USEFUL INFORMATION FOR GOAT BREEDING MEASURES OF INCREASING POTENTIAL OF RANGE LAND

NUTRIENTS REQUIREMENTS OF GOATS

CONVERSION EFFICIENCY OF INDIGENOUS BREEDS OF GOATS:

Chapter 8

HEALTH CARE FOR GOATS

CAUSES OF ILL HEALTH AND MORTALITY

CONTROL OF PARASITES

HEALTH MANAGEMENT

FEEDING SCHEDULE OF KIDS

Chapter 9

BREEDS AND BREEDING OF SHEEP

BREEDS OF SHEEP

CLASSIFICATION OF EXOTIC BREEDS OF SHEEP

IMPORTANT FEATURES OF REPRODUCTIVE ORGANS OF SHEEP

EXOTIC BREEDS OF SHEEP

DESIRABLE FEATURES FOR BREEDING RAMS

USEFUL INFORMATION FOR A.I. IN SHEEP

BREEDING SHEEP FOR WOOL, MUTTON AND MILK

SHEEP IMPROVEMENT STRATEGIES

Chapter 10

FEEDING OF SHEEP

NUTRIENTS

SOURCES AND FUNCTIONS OF THE NUTRIENTS IN SHEEP

PROTEINS

CARBOHYDRATES

NUTRIENTS IN FEEDS (PERCENT)

RECOMMENDED RATION FOR LAMBS UNDER INTENSIVE CONDITIONS 111

FEEDING LAMBS UPTO TWO WEEKS

DRINKING WATER FOR SHEEP

Chapter 11

HEALTH CARE OF SHEEP

COMMON AILMENTS AND DISEASES

GENERAL CONTROL MEASURE FOR PREVENTION OF CONTAGIOUS AND INFECTIOUS DISEASES

Chapter 12

BREEDS OF POULTRY

PHYLOGENY OF POULTRY SPECIES

BREEDS OF CHICKEN

RHODE ISLAND

VARIETIES OF TURKEY

BREEDS OF DUCKS

Chapter 13

POULTRY BREEDING

GENETICS IN BRIEF

INHERITANCE OF PLUMAGE IN TURKEYS

INHERITANCE OF QUANTITATIVE CHARACTERS

SELECTION PRESSURE

SYSTEMS OF BREEDING IN POULTRY

SEXUAL MATURITY

BREEDING PLANS FOR IMPROVEMENT OF TURKEYS

Chapter 14

POULTRY BROODING

LOCATION OF BROODER HOUSE

BROODER HOUSE SCHEDULE UPTO 4 WEEKS OF AGE

Chapter 15

COMMERCIAL POULTRY FARMING

Chapter 16

INCUBATION AND HATCHERY

EXTRA EMBRYONIC MEMBRANES

Chapter 17

HATCHING OF EGGS

TESTING OF INCUBATED EGGS

HATCHERY MANAGEMENT

Chapter 18

DIGESTIVE SYSTEM OF POULTRY

THE DIGESTIVE PROCESS

Chapter 19

NUTRIENT REQUIREMENTS OF POULTRY

NUTRITION OF BROILER TYPE CHICKENS

Chapter 20

SALT AND TRACE MINERALS FOR POULTRY

TRACE MINERAL FOR POULTRY

Chapter 21

BREEDER FEEDS

Chapter 22

LAYER FEEDS

TPHASE FEEDING OF LAYING HENS

Chapter 23

BROILER FEEDS

Chapter 24

INCUBATION AND HATCHERY

POULTRY REPRODUCTION

EMBRYONIC DEVELOPMENT

EMBRYONIC NUTRITION

EMBRYONIC COMMUNICATION

EMBRYONIC MORTALITY

HATCHERY SERVICES

Chapter 25

POULTRY FEEDING

METHODS OF FEEDING POULTRY

HOW TO ECONOMISE ON POULTRY FEED COSTT

Chapter 26

POULTRY NUTRITION

CARBOHYDRATES

ANIMAL AND VEGETABLE PROTEIN SUPPLEMENTS

Chapter 27

DISEASES AND PARASITES OF POULTRY

DISEASE PREVENTION

IMMUNOLOGY OF DISEASE CONTROL

POULTRY DISEASE CONTROL STRATEGYN

PROTOZOAN DISEASES

BACTERIAL DISEASES

VIRAL DISEASES

INTERNAL PARASITES

Chapter 28

CONSTRUCTION OF FISH FARMS

STRUCTURES OF FISH PONDS

Chapter 29

INDUCED BREEDING AND SEEDFISH PRODUCTION IN CARPS

INDUCED BREEDING IN INDIAN MAJOR CARPS

INJECTION OF PITUITARY EXTRACT IN INDIAN MAJOR CARPS 314

Chapter 30

CULTURE OF GIANT FRESH-WATER

PRAWN, *MACROBRACHIUM ROSENBERGII*

Chapter 31

NATURAL & ARTIFICIAL BREEDING IN FISH

PHYSIOLOGY OF BREEDING

ATRESIA & CORPORA LUTEA

NEW GENERATION DRUGS

PHEROMONES & BREEDING

Chapter 32

PRINCIPLES OF FISH CULTURE

FOOD WEB IN POND ECOSYSTEM

Chapter 33

SYSTEMS OF FRESHWATER FISH CULTURE

CARP CULTURE

FISH CULTURE IN INTEGRATED SYSTEMS

Chapter 34

FRESH FISH HANDLING, ICING AND FREEZING

FISH PROCESSING IN INDIA

Chapter 35

CULTURABLE FISH AND SHELLFISH

CULTURABLE SHELLFISH

Chapter 36

MASS PRODUCTION OF ORNAMENTAL FISHES

FRESHWATER FISHES

Chapter 37

INDIAN ORNAMENTAL ICHTHYOFAUNA

FRESH WATER AND BRACKISHWATER FISHES

Chapter 38

HARVESTING OF PRAWNS BY AQUACULTURE

Chapter 39

SHRIMPS AND MARINE ENVIRONMENT

INTRODUCTION

Chapter 40

FISH PROTEIN CONCENTRATES

FISH-ENRICHED FARINACEOUS PRODUCTS

Chapter 41

SITE SELECTION FOR SHRIMP FARMING

A MANUAL ON SHRIMP FARMING

CONSTRUCTION IN AREAS OF ACID SULPHATE SOILS

Chapter 42

NUTRITIONAL REQUIREMENT AND ARTIFICIAL SHRIMP FEED PREPARATION

NUTRITIONAL REQUIREMENTS OF SHRIMPS

FEED INGREDIENTS

EQUIPMENTS USED IN ARTIFICIAL FEED PREPARATION

FARM MADE FEEDS

Chapter 43

SHRIMP FEED MANAGEMENT

TYPES OF SHRIMP FEED:

FEED USED IN DIFFERENT FARMING SYSTEMS

FEEDING HABITS

FEED PURCHASE AND STORAGE

Chapter 44

SHRIMP DISEASES

INFECTIOUS DISEASES:

BACTERIA

FUNGI

NON INFECTIOUS DISEASES

Chapter 45

PACKAGING OF FISH AND FISH PRODUCTS

Chapter 46

BREEDS AND BREEDING OF PIGS

CHARACTERISTICS OF INDIAN WILD BOAR:

SELECTION

BREEDING SYSTEMS

STARTING A PIG FARM

GUIDELINES FOR NORMAL REPRODUCTION OF PIGS

Chapter 47

FEEDS AND FEEDING OF PIGS

DIGESTION OF FOOD IN PIGS

UTILIZATION OF FOODSTUFFS

SUGGESTED REPLACEMENTS FOR FEEDS

TYPES OF ANTIBIOTICS FOR PIGS

Chapter 48

PORK AND PORK PRODUCTS

SELECTION OF HOGS FOR SLAUGHTER

TOOL REQUIRED FOR SLAUGHTER

SAUSAGE

About NIIR

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants

and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

NIIR PROJECT CONSULTANCY SERVICES, 106-E, Kamla Nagar, New Delhi-110007, India.
Email: npcs.india@gmail.com **Website:** NIIR.org

Mon, 26 Jan 2026 03:31:06 +0000