

Integrated Organic Farming Handbook

Author: Dr. H. Panda

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Organic agriculture has grown out of the conscious efforts by inspired people to create the best possible relationship between the earth and men. After almost a century of neglect, organic agriculture is now finding place in the mainstream of development and shows great promise commercially, socially and environmentally. Integrated organic farming is a commonly and broadly used word to explain a more integrated approach to farming as compared to existing monoculture approaches. It refers to agricultural systems that integrate livestock and crop production and may sometimes be known as Integrated Bio systems. It denotes a holistic system of farming which optimizes productivity in a sustainable manner through creation of interdependent agri-eco systems where annual crop plants (e.g. wheat), perennial trees (e.g. horticulture) and animals (including fishes where relevant) are integrated on a given field or property. This concept of organic farming is based on following principles: 1. Nature is the best role model for farming, since it does not use any inputs nor demand unreasonable quantities of water. 2. The entire system is based on intimate understanding of nature's ways of replenishment. The system does not believe in mining of the soil of its nutrients and do not degrade it in any way. 3. The soil in this system is considered as a living entity. 4. The soil's living population of microbes and other organisms are significant contributors to its fertility on a sustained basis and must be protected and nurtured, at all cost. 5. The total environment of the soil, from soil structure to soil cover is more important and must be preserved.

Integrated Organic farming is a method of farming system, which primarily aims at cultivating the land and raising crops in such a way, so as to keep the soil alive and in good health. It is the use of organic wastes (crop, animal and farm wastes, aquatic wastes) and other biological materials, mostly produced insitu- along with beneficial microbes (bio fertilizers) to release nutrients to crops, which connotes the 'organic' nature of organic farming. It is also termed as organic agriculture. In the Indian context it is also termed as 'Javik Krishi'. We have compiled all the relevant information regarding integrated organic farming in this book. This is first book of its kind which contains reliable details related to organic farming, green manuring, biological nitrogen fixation, uses of vermiculture bio-tech, organic fertilizers for flooded rice ecosystem, biological pest management, press mud as plant growth promoters, bio fertilizer for multipurpose tree species, rice- fish integration, response of crops to organic fertilizer and many more.

The book is very useful for farmers, agriculture, universities, consultants and research scholars.

Contents

1. NECESSITY OF ORGANIC FARMING

Management of Autonomous Ecosystem

Mixed Farming

Plants

Animals

Soils
 Biosphere
 Crop Rotation
 Benefits of Crop Diversification
 Organic Cycle Optimization
 In Partnership with Nature
 Basic Standards and General Principles for Organic Agriculture
 Crop and Soil Management
 Choice of Crops and Varieties
 Crop Rotations
 Fertilization Policy
 Management of Pests, Diseases and Weeds
 Wild Products
 Pollution Control
 Soil and Water Conservation
 Landscape
 Principle Requirements and Pre-conditions
 Conversion from Conventional to Organic Farming
 Farms with Plant Production and Livestock
 Limitations
 Initiating Organic Farming
 Medicinal Plants-the First Crops for Organic Farming
 Management of Permaculture Farm
 Permaculture Farm
 Use of Draft Animal
 Making Permanent Farm
 Conservation of Soil
 Protection of the Soil against Fires
 Protection from Water Erosion
 Protection from Wind Erosion
 Improvement of the Soil
 How to Bury Organic Matter
 Mixed Cropping
 Permaculture for Wastelands
 Soil and Water Conservation
 Pioneers
 Pioneer Trees and Plants
 Secondary Species
 Conclusion
 2. GREEN MANURING—A BASIC COMPONENT OF
 ORGANIC FARMING
 Definition
 Objectives of Green Manuring
 Subsidiary Objective of Green Manures
 Catch Crops
 Shade Crops
 Cover Crops
 Forage Crops
 Advantages of Green Manuring
 Soil Structure and Tilth Improvement
 Fertility Improvement of Soils
 Amelioration of Soil Problems
 Improvement in Crop Yield and Quality

- Pest Control
- Classification of Green Manures
- Legumes
- Non-Legumes
- Characteristics Desirable in Legume Green Manure Crops
- Leguminous Green Manures
- Non-Conventional Green Manures
- Other Green Manures
- Choice of Green Manure Species
- Forms of Green Manuring
- Agronomy of Green Manure Crops
- Sesbania Speciosa
- Sesbania Aculeata {Dhaincha}
- Sesbania Rostrata
- Crotalaria Juncea (Sunnhemp)
- Tephrosia Purpurea (Wild Indigo)
- Indigofera Tinctoria
- Calapogonium Mucunoides
- Phaseolus Trilobus (Phillipesara)
- Centrosema Pubescens
- Macroptilium Atropurpureum (Siratoo)
- Stylosanthes Hamata
- Pueraria Phaseoloides (Kudzu)
- Dolichos Lab Lab var. Lignosus
- Agronomy of Green Leaf Manure Shrubs and Trees
- Glyricidia (Glyricidia Maculata Syn. G. sepium)
- Ipomoea Cornea
- Cassia Auriculata
- Derris Indica (Syn. Pongamia Glabra)
- Azadirachta Indica (Neem)
- Thespesia Populnea
- Rhizobial Inoculation
- Conditions for Fixation of Nitrogen
- Bacterial Inoculation of Legumes
- Stage of Incorporation
- Time of Incorporation
- Method of Application of Green Manure
- Decomposition of Green Manure
- Aerobic Decomposition
- Changes in the Carbon Compounds
- Changes in Nitrogen Compounds
- Changes in the Mineral Constituents
- Anaerobic Decomposition
- Carbon Nitrogen Ratio on Decomposition Process
- Farmer Acceptance of Green Manuring
- Limitations in Raising Green Manure Crops
- Conclusions
- Future Needs
- 3. BIOLOGICAL NITROGEN FIXATION
- Definition
- Symbiotic and Non-Leguminous Symbiotic System
- Azotobacter
- Beijerinckia

Azospirillum
Application
Other Bacteria
Blue Green Algae
Multiplication
Trough Method
Pit Method
Field Method for Large Scale Production
Limitations
Azolla
Nursery
Azolla Application Methods
Green Manuring
As Dual Crop
Efficiency of Azolla
Limitations
Frankia
Legume-Rhizobium Symbiosis
Methods of Application
Seed Inoculation
Pelleting
Other Symbiotic Nitrogen Fixing Systems
Other Bioinoculants
Phosphate Solubilising Microorganisms (PSM)
Vesicular Arbuscular Mycorrhiza (VAM)
Inoculation Methods
Transplanted Crops
Direct Sown Crops
Seed Coating
Pelleting
Fluid Drilling
Furrow Inoculation
Precropping
Plant Growth Promoting Rhizobia (PGPR)
Conclusion
Future Needs

4. APPLICATION OF VERMICULTURE

BIOTECHNOLOGY

Vermiculture Biotechnology
Earthworm for Nutrient Management
Effect on Soil Fertility
Nitrogen
Phosphorus
Potassium
Earthworms for Water Management
Earthworm Castings
Earthworms Act as Biopump
Earthworms for Effective Waste Management
Composting of Municipal and Industrial Wastes
Earthworms for Disease and Pest Management
Earthworms for Nutritional Crops
Earthworms for Sustainable Agriculture and Wasteland Development
Earthworms as Vectors of Beneficial Microorganisms

Successful Applications
Harnessing Vermiculture Biotechnology
Selection of Proper Species
Use of Vermicastings for Inoculation
Earthworms and Land Use Practices
Effect of Organic Manure and NPK Fertilizers on Earthworm Activity
Cultivation
Mulching
Irrigation
Biocides
Procedure to Prepare Vermicompost
Culturing Technique
Culture Bed
Feed Composition
Feed Application
Wormcast Production and Collection
Application of Vermicompost
Conclusion
Future Research Needs

5. ORGANIC FERTILIZERS FOR FLOODED RICE ECOSYSTEM

Azolla
Growth and N-Fixation
Factors Affecting Growth and N-Fixation
Management Practices
Impact on Rice Yield and Soil Fertility
Economic Aspects
Suitable Agroclimatic Conditions
Adoption Constraints and Future Research Needs
Blue-Green Algae (BGA)
Nitrogen Fixing Potential and N-input
Factors Affecting Growth and N-fixation
Management Practices
Impact on Rice Yield and Soil Fertility
Economic Aspects
Suitable Agroclimatic Conditions
Adoption Constraints and Future Research Needs
Conclusions

6. PHOSPHATE SOLUBILIZING MICROORGANISMS : FUNGI AND BACTERIA

Problems in Phosphorus Uptake
Phosphate Fixation in Different Soils
Historical Developments
Phosphate Solubilization
Factors Affecting Phosphate Solubilization
Isolation
Mechanisms of Action
Role of Acids
Other Mechanisms
Effect on Crop Yield

7. PHOSPHATE SOLUBILIZING MICROORGANISMS : MYCORRHIZAE

Mycorrhizal Types and Their Structural and Nutritional Features

Ectomycorrhizae
Mechanism of ECM Formation
Morphology and Structure
Synthesis of Mycorrhiza
Cultural Study
Vesicular Arbuscular Mycorrhiza
Introduction
Evolution
Taxonomy
Classification
Distribution
Lifecycle
Reproduction
Sexual Reproduction
Asexual Reproduction
Method of Inoculum Production of VAM
Some Important Steps in Production of VAM
Host Plant/Growth Medium
Fertilizations/Micronutrients
Chemical Application
Control of Fungal Pathogens
Plant-Vesicular Arbuscular Mycorrhizal Fungal Interactions
Vam and Soil Biota
Control of Root Diseases
Endomycorrhiza and Plant Disease
Ectomycorrhizal Fungi and Tree Diseases
Mechanism of Disease Control
Outlook
8. APPLICATION AND EVALUATION
Different Methods for Biofertilizer Inoculation
Seed Inoculation
Top Dressing of Biofertilizers
Granular Biofertilizers
Solarisation of FYM/Compost
Granular Biofertilizer Mixed with Seed
Broadcasting of Granular Biofertilizers
Frequency of Inoculation
Liquid Inoculation of Biofertilizers
Methods of Application of Liquid Inoculation
Drenching By Sprayers
Application in Root Zone
Culture Pellet
Methods of Application of Other Biofertilizers
Blue Green Algae
Azolla
As Green Manuring
Azolla Dual Cropping
Azotobacter
Preparation and Use of Azotobacter Inoculant
Application
Azospirillum
Mycorrhizae
Endomycorrhizae

Ectomycorrhizae

Techniques for Isolation of Vesicular Arbuscular Mycorrhizal Fungi (VAMF) from Soil in Laboratory

Gerdemann and Nicolson Technique

Sutton and Barron Flotation Technique

Method for Examination of Mycorrhizal Infection in Root Samples

Foliar Biofertilizer

Humar

Humic Acid

Introduction

Application

Soil

Foliar

Seed Treatment

Soil Benefit

Root

Seeds

Plants

Precautions

Different Media Used to Study Biofertilizer

I. Growth Media for Rhizobium

Media for Testing Nodulating Ability of Rhizobium

Jenson's Plant Nutrient

II. Isolation Of Frankia

III. Selective Media For Blue Green Algae

IV. Selective MEDIA For Azotobacter

V. Selective Media for Azospirillum

VI. Selective Media for Phosphate solubilizing organisms

VII. Selective Medium for isolation of *Pseudomonas fluorescens*, a biocontrol agent (Subba Rao, 1986).

VIII. Selective medium for isolation of *Trichoderma* - an antagonistic fungus.

9. BIOLOGICAL PEST MANAGEMENT

Cultural Control

Sanitation

Tillage

Application of Manures and Soil Amendments

Habitat Diversification

Crop Rotation

Trap Cropping

Intercropping

Strip Farming

Time of Planting

Water Management

Crop Competition

Physical and Mechanical Control

Manual Control

Burning

Solarization

Flooding

Biological Control

Conservation of Biodiversity

Conservation of Natural Enemies

Biopesticides

Botanicals

Host Resistance

Increasing the Effectiveness of Bio-control
 Autocidal Control
 Behavioural Control
 Pheromones
 Kairomones
 Success Rate of Ecological Management
 Other Related Approach
 Integrated Pest Management
 Biologically Intensive Pest Control (BIPM)
 Success with Biological Control
 Rice
 Sugarcane
 Tomato
 Tobacco
 Cotton
 Horticultural and Plantation Crops
 Future Thrust
 Conclusions
 10. PRESSMUD AS PLANT GROWTH PROMOTER
 Material and Methods
 Results and Discussion
 11. BIOFERTILIZER FOR MULTIPURPOSE TREE SPECIES
 Material and Methods
 Species
 Inoculum Preparation
 Treatment
 Preparation of Soil-Vermiculite Mixture
 Inoculation of Acacia Nilotica
 Inoculation of Eucalyptus Hybrid
 Results
 Discussion
 Summary
 12. TREE LEGUMES TO BIOINOCULATION OF ENDOMYCORRHIZAE
 Material and Methods
 Results and Discussion
 Summary
 13. GROWTH RESPONSE OF CAJANUS CAJAN
 Material and Methods
 Growth Response of Cajanus Cajan to Glomus
 aggregatum with Cement Dust Amendments
 Assessment of Percent Mycorrhizal Association
 Estimation of Dry Weight
 Results
 Infectivity
 Efficacy
 Discussion
 Summary
 14. SALINE SOIL TOLERANCE OF SAPINDUS
 EMARGINATUS
 Material and Methods
 Results and Discussion

15. SELF SUSTAINABILITY OF ORGANIC FARMING

Self Sustainable System

Design of Self-Sustainable Agro-Ecosystems

Ecological Processes to Optimize in Agro-Ecosystems

Mechanisms to Improve Agro-Ecosystem Immunity

Peripherals for Self-Sustainability

Bio-Diversified Agro-Ecosystems

Crop Rotations

Polycultures

Agroforestry Systems

Cover Crops

Animal Integration

Integration of Livestock

Integration of Aquaculture

Indigenous Organic Farming Practices

Soil and Water Conservation

Arable Land Management

Agronomical Measures

Wind Erosion Control

Water Erosion Control Measures

Engineering Measures

Non-Arable and Denuded Land Management

Rain Water Conservation

Mulches

Essentiality of Mulching

Mulch and Microlife Activities

Activity of Earthworm

Weed Suppression

Birds and Mulch Disturbance

Mulch and Retention of Moisture

Increase in Crop Yield

Control of Temperature

Protection Soil Against Erosion

Control of Pest and Disease

Appearance

Drawbacks of Mulching

Types of Mulch

Loose Organic and Non Organic Mulches

Vertical Mulch

Live Vegetative Barriers

Agroforestry/Alternate Land Use Systems

Basic Principles

Types of Agroforestry Systems

Alley farming

Ley farming

Silvipasture

Agri-Horticulture

Windbreaks and Shelterbelts

Interactions Between Trees and Crops

Useful for Organic Farming

Effects of Trees on Soils

Beneficial Effect

Soil Conservation

Soil Fertility
Management of Adverse Effects of Trees
Management of Agroforestry for Organic Farming
Conclusion
16. RICE ECOSYSTEM
Rice Ecosystems of Kerala
Midland and Malayoram Rice Ecosystem
Chittoor Black Soil
Irrigated Rice Ecosystem
Onattukara
Kuttanad
Karilands
Karappadam Soils
Kayal Lands
Kole Lands
The Coastal Saline Rice Eco Systems
High Range Rice Eco System
Koottumundakan System
17. "POKKALI"—WORLD ACCLAIMED FARMING
SYSTEM MODEL
Climate
Crops and Crop Season
Reclamation of Saline Soils
Varieties
Seeds and Sowing
Seedling Establishment and Aftercare
Rice-fish/prawn integration in Pokkali fields
Selective Culture of Prawn
Rice Cum Fish Culture
Sustainable Farming System
18. NEEM : THE BEST EXAMPLE FOR ORGANIC
FARMING
Uses of Neem
Neem for Pest Control
Limonoids
Azadirachtin
Meliantriol
Salannin
Nimbin and Nimbidin
Others
Mode of Action
Effectiveness
Good Control
Moderate Control
Poor Control
Nontarget Species
Earthworms
Beneficial Insects
Preparations for Pest Control
Methods of Application
Water Extraction
Hexane Extraction
Pentane Extraction

- Alcohol Extraction
- Formulations
- Additives
- Practical Methods for Preparations
- Control of Stored Grain Pest
- Uses of Neem Extract
- Preparing Crushed Neem Seed
- Neem to Control Stem Borers on Young Plants
- Extracting Neem Oil
- Controlling Bruchid Beetles in Stored Beans
- Control of Soil-Borne Pests
- Neem Water Extract for Plant Protection
- Water based Neem Spray to Control Cutworms
- Success Stories
- Desert Locust
- Cockroach
- Brown Planthopper
- Stored-Product Insects
- Armyworm
- Mosquitoes
- Aphids
- Fruit Flies
- Nematodes
- Snails
- Crustaceans
- Fungi
- Aflatoxin
- Plant Viruses
- Propagation and Planting of Neem
- Climatic Requirements
- Rainfall
- Temperature
- Raising Seedlings
- Transplanting
- Conclusions
- 19. RICE-FISH INTEGRATION : A WIN-WIN FARMING MODEL**
- Externalities of Green Revolution
- Lowland Rice Ecologies
- Diversification—IFS Approaches
- Vanishing Rice Lands—Economic Sustainability Issues
- Pokkali System-the Classic Example
- Rice-Fish, Harnessing Complementarities
- Group Fish Farming (GFF)
- Environmental Superiority
- Economic Sustainability
- Win-Win Land Use Model
- 20. RICE SOILS IN COASTAL—AREA SUSTAINABLE SOIL NUTRIENT IN ORGANIC RICE FARMING**
- Organic Farming—the Truths vs. Myths
- Organics as a Source of Plant Nutrients
- Organic Farming and Food Security
- Organic Farming—A Lesson from China

Biodynamic Farming

System of Rice Intensification (SRI)

Conclusions

21. UTILIZATION OF BENEFICIAL MICROORGANISMS FOR SUSTAINABLE ORGANIC RICE PRODUCTION

Biological Nitrogen Fixers

Legume - Rhizobium symbiosis

Azospirillum

Different Methods of Application of Azospirillum in the Field

Cyanobacteria (Blue Green Algae - BGA)

Mass Production of BGA in the Field

Anabaena - Azolla Symbiosis

Utilization of Azolla for Rice

Mass Production of Azolla in the Field

Phosphorus Solubilising Microorganisms

Arbuscular Mycorrhizal Fungi (AMF)

Silicate Solubilising Bacteria

Zinc Solubilising Bacteria

Plant Growth Promoting Rhizobacteria (PGPR)

Efficacy of PGPR in Rice

Methods of Application of Pseudomonas Fluorescens in Rice

Microbial Consortium for Rice

22. BIOGAS POTENTIAL FROM WASTES AND ITS VALUE

Manurial Value of Digested Slurry

23. RECYCLING OF ORGANIC MATERIALS AS ORGANIC FERTILIZERS

Direct Incorporation of Organic Materials in Soil and Their Effects

Maintenance of Organic Matter in Indian Soils

Effect of Organic Matter on Soil Microorganisms

Organic Mulch

Effect of Crop Residues on Yield of Legume Crops

Effect of Straw, Neem Cake and Farmyard Manure on Yield of Maize Crop

Effect of Incorporation of Organic Matter on Paddy Crop

Influence of Humic Substances on Crop Yields

24. RESPONSE OF CROPS TO ORGANIC FERTILIZERS

Farmyard Manure and Compost

Oil-Cakes

Long-Term Effect of Organic Manures

Effect of Organic Manures in Rotation

Manurial Requirements of a Fixed Crop Rotation

Rice-Wheat Rotation

Rice-Rice Rotation

Maize-Wheat Rotation

Jowar-Wheat Rotation

Bajra-Wheat Rotation

Rotation-Jowar in Kharif-Bajra in Rabi

Response of Crops to Bone-Meal

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

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