

# Integrated Organic Farming Handbook

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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  
Allelopathy  
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 Mucorrhizal 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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