

Manufacturing of Organic Compost and Organic Farming

(Organic Manures, Livestock and Human Wastes, Industrial Wastes, Organic Farming in Rice, Biomass Production, Chemical Composition of Banana, Organic Nutrient, Processing and Value Addition of Organic Rice, Pest Management and Weed Management in Organic Farming)

Introduction

Organic farming is friendlier to the environment and is more sustainable compared to newer farming techniques. So, not only can make huge profits from organic farming, but you will also help protect the environment and the planet as a whole. Making money from an agricultural business requires knowledge of farming practices as well as some experience in developing a business. There are lots of things that you could grow on your organic farm. It can range from herbs, flowers, vegetables to food crops. The great demand for this kind of food and even the gourmet ones are making organic farm business popular.

“In a world of many choices organic agriculture is a serious option for many farmers, Enterprises and consumers. Composting transforms raw organic residues into humus-like material through the activity of soil microorganisms. Mature compost stores well and is biologically stable, free of unpleasant odors, and easier to handle and less bulky than raw organic wastes. In agronomic and horticultural operations, compost can be used as a soil amendment, seed starter, mulch, container mix ingredient, or natural fertilizer, depending on its characteristics. Composting can also reduce or eliminate weed seeds and plant pathogens in organic residues.

In organic farming, requirements for managing the composting process are necessary to ensure that composting results in a reasonably stabilized product that is largely free of pathogens, weed seeds, and toxic residues.

Composting is the natural process of 'rotting' or decomposition of organic matter by microorganisms under controlled conditions. Raw organic materials such as crop residues, animal wastes, food garbage, some municipal wastes and suitable industrial wastes, enhance their suitability for application to the soil as a fertilizing resource, after having undergone composting.



One of the main goals of every organic farmer is to build long term soil fertility and tilth by feeding the soil with a variety of natural amendments. The regular addition of compost is one of the best ways to enhance soil organic and humic content, which helps to build a fertile soil structure. Such a soil structure makes better use of water and nutrients.

Compost is a rich source of organic matter. Soil organic matter plays an important role in sustaining soil fertility, and hence in sustainable agricultural production.

In addition to being a source of plant nutrient, it improves the physico-chemical and biological properties of the soil. As a result of these improvements, the soil:

- (i) becomes more resistant to stresses such as drought, diseases and toxicity;**
- (ii) Helps the crop in improved uptake of plant nutrients; and**
- (iii) Possesses an active nutrient cycling capacity because of vigorous microbial activity.**

India produces around 62 million tonnes of urban waste annually, but most of it is not recycled. At present, annually about 1.5 lakh tonnes of compost from such waste are made while the potential is produce up to 50 lakh tonnes.

This book basically deals with Indian agriculture before the green revolution, characteristics of sustainable agriculture, essential characteristics of organic farming, objectives of organic and conventional farming, livestock and human wastes, organic farming in rice, important regulations for organic farming, production of organic compost,

effect of organic fertilizers in pongamia pinnata, significance of azospirillum and pseudomonas on growth of elucine crocana, chemical composition of banana, effect of azospirillum and phosphate solubilizing culture on quality of sugarcane, industrial wastes as sources of plant nutrients, role of organic fertilizer in upland crop production etc.

The book provides you with comprehensive information on organic farming and related methods of farming. The book aims to provide you with many other profitable information about the method of obtaining sustainable agricultural and organic farming.

Table of Contents

1. INTRODUCTION TO ORGANIC FARMING

Indian Agriculture before the Green Revolution

The Green Revolution

Impact of Green Revolution on the Environment

Why Organic Farming?

2. SUSTAINABLE AGRICULTURE AND ORGANIC FARMING

The Background

Characteristics of Sustainable Agriculture

Definition of Sustainable Agriculture

Organic Farming

National Programme for Organic Production (Features)

3. CONCEPTS, DEFINITION AND COMPONENTS

Concept and Definition

Organic vs Natural Farming

Essential Characteristics of Organic Farming
Key Principles of Organic Agriculture Systems
Mixed Farming
Crop Rotation
Organic Cycle Optimization
Objectives Of Organic and Conventional Farming
Options in Organic Farming
Pure Organic Farming
Integrated Green Revolution Farming
Integrated Farming System
Management of Organic Farming
Advantages of Organic Farming
Barriers to Organic Farming
Components Of Organic Farming
Organic Manures
Non-Chemical Weed Control Measures
Biological Pest Management

4. ORGANIC MANURES, THEIR NATURE AND CHARACTERISTICS

Farmyard Manure

Compost

Sheep and Goat Manure

Poultry Manure

Oil-Cakes

Meal Group of Manures

Sewage, Sludge and Sullage

5. LIVESTOCK AND HUMAN WASTES

6. AVAILABLE ORGANIC MATERIALS AND PLANT NUTRIENTS

Livestock Wastes

Crop Residues and Aquatic Weeds

Rural and Urban Wastes

Agro-industrial Wastes

Fisheries and Marine Industry

7. ORGANIC FARMING IN RICE

Objectives of Organic Farming

Traditional Practices

Aspects of Modern Agriculture

Important Regulations for Organic Farming

Nutrient Requirement

Ecofriendly Management of Pests and Diseases in Rice

Conservation of Native Natural Enemies to Enhance in

Situ Biological Control in Rice

Components of Eco-friendly Disease Management

Methods of Application

Conclusion

8. PRODUCTION OF ORGANIC COMPOST

Composting

Importance Of Composting

Maximizing the Nutrients Availability from Agricultural Compost

Effect on Soil and Crop

Method of Spreading Compost
Rate of Application
Time of Application
Classification of Composting
Kinetics of Composting
Moisture Content
Ingredients to Avoid
Microbes Involved in Composting
Design Criteria
Type and Amount of Compost
The Climate
Availability of Land
Handling
Practical Method of Making Compost
Considerations in Building a Compost Heap
Managing the Compost Heap
Curing
Practical Applications Composting

Biogas Technology
Composition of Slurry
Slurry for Agriculture
Transfer of Biogas Technology
Growing of Mushrooms
Conventional Types of Compost
Compost Making and Spawning
The Work Schedule
Suggestions

9. EFFECT OF ORGANIC FERTILIZERS IN PONGAMIA PINNATA

Material and Methods
Results and Discussion
Summary

10. ORGANIC FERTILIZER: A SUPPLEMENTARY NUTRIENT SOURCE FOR SUGARCANE

Experiment and Results

Azotobacter
Azospirillum
Phosphate Solubilizing Microorganisms
Summary

11. EFFECT OF ORGANIC FERTILIZER ON SORGHUM

Material and Methods
Results And Discussion
Summary

12. SIGNIFICANCE OF AZOSPIRILLUM AND PSEUDOMONTAS ON GROWTH OF ELUCINE CROCANA

Material and Methods
Results and Discussion
Growth Attributes
Yield Attributes
Summary and Conclusion

13. BIOMASS PRODUCTION OF ACACIA NILOTICA

Material and Methods

Results and Discussion

Summary

14. CHEMICAL COMPOSITION OF BANANA

Material and Methods

Phosphate Solubilizing Microorganism

Mycorrhizal Inoculum

Plant Material

Treatment

Results and Discussion

Summary

15. N-FIXING AND PHOSPHATE SOLUBILIZING BACTERIA

Material and Methods

Results and Discussion

Summary

16. ASYMBIOTIC ORGANIC FERTILIZERS OF KHARIF SORGHUM

Material and Methods

Results and Discussion

Summary

17. EFFECT OF AZOSPIRILLUM AND PHOSPHATE SOLUBILIZING CULTURE ON QUALITY OF SUGARCANE

Material and Methods

Treatment Details

Results and Discussion

Summary and Conclusion

18. ORGANIC NUTRIENT

Soil Populations and Processes

Use of Biofertilizers

Enrichment of Compost with Microbial Inoculants

Nitrogen Fixing Microbs

Rhizobium

Leguminous Plants / Rhizobiaceae Symbiosis

Azotobacter Inoculant

Azospirillum Inoculant

Blue-Green Algae Inoculant

Multiplication of BGA

Frankiaceae Symbiosis

Large Scale Inoculum Production

Significance Of BNF

Mycorrhiza

Roots as Sinks and Sources of Nutrients and Carbon in

Agricultural Systems

Importance of Mycorrhiza

Benefits to Plants

Other Roles in Ecosystems

Values of People

Mycorrhizal Interactions with Plants and Soil Organisms in Sustainable Agroecosystem

Symbiosis

Root System Form

Soil and Site Factors Influencing Mycorrhizas

Characteristics Of fungal Isolates

Host Plants

How Mycorrhizas Work

Nitrogen Transfer in Mycorrhizal Plants

Nitrogen Nutrition in Mycorrhizal Plants

Phosphorus Fertility

Future Thrusts

19. INDUSTRIAL WASTES AS SOURCES OF PLANT NUTRIENTS

Significance of Waste Recycling

Chemical Characteristics of Wastes and Utilization

Effect on Crops Yield and Soil Properties

Effect on Crop Yields
Pathogens and Health Hazards
Heavy Metals and Associated Problems
Effect on Soil Properties
Problems in Waste Utilization
Future Research Needs

20. USE OF BIO-INOCULANTS FOR RECYCLING OF BANANA WASTES

Material and Methods
Results and Discussion

21. ROLE OF ORGANIC FERTILIZER IN UPLAND CROP PRODUCTION

Nitrogen-fixing Bacterial Inoculants
Phosphate Solubilizing Microorganisms
Vesicular-Arbuscular Mycorrhizae (Vam)
Plant Growth Promoting Rhizobacteria
Future Research Needs
Strategy for Successful Use of Biofertilizers

22. VARIETIES FOR ORGANIC FARMING

What is Organic Agriculture ?

Selection of Rice Varieties for Organic Farming

Weed Control

Soil Fertility

Insects and Diseases

Speciality Rices for Organic Farming

Varieties for Special Systems of Cultivation

23. BIOLOGICAL SUPPRESSION OF AQUATIC WEEDS

Biocontrol of *Salvinia Molesta* Mitchell (Fam. *Salviniaceae*)

Cyrtobagous Salviniae Calder and Sands (Fam. *Curculionidae*)

Biocontrol of *Eichhornia Crassipes* (Martius) Solms-Laubach (Fam. *Pontederiaceae*)

Neochetina Eichhorniae Warner (Fam. *Curculionidae*)

Neochetina Bruchi Hustache (Fam. *Curculionidae*)

Orthogalumna Terebrantis Wallwork (Fam. *Galumnidae*)

24. WEED MANAGEMENT IN ORGANIC RICE

Development of Weed Control Methods

Problems from Chemical Weed Control

Weed Control in Organic Farming

A. Preventive Methods

B. Cultural Methods of Weed Control

C. Mechanical Methods

D. Biological Control of Weeds

Bioherbicides

Some Basic Principles for Weed Management in Organic Farming

25. PROCESSING AND VALUE ADDITION OF ORGANIC RICE

Quick Cooking Rice

Preparation of Instant Fried Rice

Instant Rice Noodles

Preparation of Dried Starch from Rice Soup

26. BIOTECHNOLOGICAL APPROACH IN ORGANIC RICE FARMING

Why Biotechnology ?

Important Benefits that have Emerged from the Transgenic Rice Research:
Food and Agriculture Organization (Fao) of Un Recommendation

27. CROP ROTATION AND RESIDUE RECYCLING IN ORGANIC RICE PRODUCTION

Major Rice Cropping Systems

Crop Rotation in Organic Production System

A Good Crop Rotation Programme Involves

Legumes in Crop Rotation

Green Manuring

Crop Residues in Organic Rice Production

28. BIOLOGICAL NITROGEN FIXATION

Non-Symbiotic Nitrogen Fixation

Features Favourable for Non-Symbiotic Nitrogen Fixation

Mechanism of Nitrogen Reduction
Symbiotic Nitrogen Fixation
Host Specificity
Root Nodulation
Mechanism of Nitrogen Fixation
Nitrogenase
Requirements for Nitrogen Reduction
Assimilation of Ammonia
Genetics of Nitrogen Fixation
Nif -genes of Klebsiella Pneumoniae
Nif-genes of Azotobacter
Nif-genes of Anabaena
Genetics of Legume - Rhizobium Nitrogen Fixation
1. Rhizobial Genes
2. Legume Nodulin Genes
Overall Regulation of Genes
Gene Transfer for Nitrogen Fixation

1. Transfer of Nif-genes to Non-Nitrogen Fixing Bacteria
2. Transfer of Nif-genes to Yeasts
3. Transfer of Nif-genes to Plants
4. Transfer of Nod genes
5. Transfer of Hup genes

29. WEED MANAGEMENT IN ORGANIC FARMING

Cultural Methods Of Weed Control

Tillage

Tillage Combined With Irrigation

Timing

Seeding Rates and Cultivar Selection

Cropping Systems

Use of Animals

Flooding

Mulching

Fire

Composting
Hoeing and Hand Weeding
Farmerâ Care
Straw Disposal
Biological Control of Weeds Using Insects
Weed Suitability to Biological Control
Classical Approach
Characteristics of Weeds and Problems
Weed Survey for Natural Enemies
Introduction of Natural Enemies
Use of Pathogens in Weed Suppression
Mycoherbicides
Parasitic Weeds
Management Strategies for Parasitic Weeds
Ecological Principles
Research Needs

30. PEST MANAGEMENT IN ORGANIC FARMING

Pest Management Methods

Biological Alternatives

Organically Acceptable Chemical Alternatives

Cultural Alternatives

Biological Control

Botanical Pesticides

Biological Control in Field Crops

Botanics for Storage Pest Control

Seed Treatment with Materials of Plant Origin for Insect Control

Active Principles

Cultural Practices/Ecological Methods

Optimum Site Conditions

Diversity Over Time

Diversity in Space

Habitant Enhancement
Role of Non-Crop Vegetation
Trap Crops
Constructed Traps
Plant Resistance to Pests
Traditional Practices for Pest Control
Other Management Practices

Niir Project Consultancy Services (NPCS)
can provide Process Technology Book on
Organic Farming and Production of
Organic Compost

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Our Approach

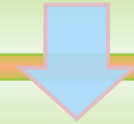
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Thorough analysis of the project



Economic feasibility study of the Project



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