



PERTECNCA'S

POLYHOUSE ORGANIC FARMING

TRAINING

BROCHURE



Practical training



Post training assistance

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POLYHOUSE ORGANIC FARMING TRAINING

The Polyhouse Organic Farming Training Program is an in-depth course tailored for individuals interested in combining the benefits of polyhouse farming with organic agricultural practices. This program provides a comprehensive understanding of how to cultivate high-quality, chemical-free crops in a controlled environment, ensuring sustainability and profitability. The course is ideal for farmers, agricultural entrepreneurs, and professionals looking to specialize in organic farming within polyhouses.

What you'll learn?

- Principles of organic farming in a polyhouse setting
- Construction and design of polyhouses for organic farming
- Soil health management and organic fertilization techniques
- Pest and disease management using organic methods
- Techniques for growing high-value organic crops year-round

Course summary:

Polyhouse organic farming combines the controlled environment of a polyhouse with the sustainable practices of organic agriculture. This training program covers the essential aspects of setting up and managing an organic polyhouse, from soil preparation to crop selection and pest management. Participants will learn how to produce high-quality, organic crops that meet market demands while adhering to organic certification standards.

Key Takeaways:

- Comprehensive knowledge of polyhouse organic farming principles
- Skills in designing and constructing polyhouses tailored for organic farming
- Techniques for maintaining soil fertility and health using organic methods
- Effective pest and disease management without synthetic chemicals
- Strategies for marketing and selling organic produce

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Course syllabus:

Module 1: Introduction to Polyhouse Organic Farming

- Overview of polyhouse and organic farming principles
- Benefits and challenges of combining polyhouse with organic practices
- Introduction to organic certification and standards
- Economic considerations of polyhouse organic farming

Module 2: Designing & Constructing a Polyhouse

- Design principles for organic polyhouses
- Selection of materials suitable for organic production
- Construction techniques for maximizing efficiency and sustainability
- Integration of climate control systems with organic practices

Module 3: Soil Health and Organic Fertilization

- Importance of soil health in organic farming
- Techniques for soil preparation and amendment in polyhouses
- Organic fertilization methods, including composting and green manures
- Monitoring and maintaining soil fertility in a controlled environment

Module 4: Organic Pest and Disease Management

- Identification of common pests and diseases in polyhouse farming
- Organic methods for pest control, including biological controls and natural repellents
- Disease prevention and management using organic practices
- Integrated Pest Management (IPM) strategies in an organic polyhouse

Module 5: Crop Selection & Cultivation Techniques

- Criteria for selecting organic crops suitable for polyhouse environments
- Best practices for organic crop planting, growth, and harvest
- Techniques for crop rotation and companion planting in polyhouses
- Growing high-value organic crops, such as vegetables, herbs, and flowers

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Module 6: Water Management in Polyhouse Farming

- Efficient water use and irrigation techniques for organic farming
- Importance of water quality and management in organic systems
- Drip and mist irrigation systems tailored for organic polyhouses
- Water conservation practices and rainwater harvesting

Module 7: Organic Certification and Compliance

- Understanding organic certification requirements and processes
- Record-keeping and documentation for organic compliance
- Inspection and auditing procedures for organic polyhouses
- Strategies for maintaining certification and avoiding common pitfalls

Module 8: Harvesting, Post-Harvest Management, Marketing

- Timing and techniques for harvesting organic crops
- Post-harvest handling to maintain organic integrity
- Packaging and storage solutions for organic produce
- Strategies for marketing and selling organic products to premium markets

Module 9: Financial Planning & Profitability in Polyhouse

- Cost analysis and budgeting for organic polyhouse projects
- Accessing funding, subsidies, and grants for organic farming
- Strategies for maximizing profitability through sustainable practices
- Case studies of successful organic polyhouse farms

Module 10: Practical Training in Polyhouse Organic Farming

- Real-world exercises in setting up and managing an organic polyhouse
- Hands-on training in soil management, crop cultivation, and pest control
- Practical experience in organic fertilization and irrigation techniques
- Application of organic certification standards in a polyhouse environment

Module 11: Evaluation and Certification

- Final assessment through practical and theoretical exams
- Evaluation of participants' skills in polyhouse organic farming
- Certification of completion, recognizing expertise in organic farming

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Practical training:

- Polyhouse Construction: Build and customize a polyhouse for organic farming.
- Soil Health Management: Techniques for enhancing soil fertility organically.
- Organic Crop Cultivation: Practical experience in planting and growing organic crops.
- Pest and Disease Control: Hands-on training in organic pest and disease management.

Career scope:

Upon completing the Polyhouse organic farming training course, graduates can explore career opportunities in various sectors, including:

- Organic Farm Manager
- Sustainable Agriculture Consultant
- Polyhouse Specialist
- Organic Certification Expert
- Agribusiness Entrepreneur
- Organic Crop Production Technician
- Greenhouse Manager
- Agriculture Extension Officer

