



ORGANIC FARMING

DURATION
45 Days

This course provides comprehensive knowledge and hands-on practices in organic agriculture, focusing on sustainable farming methods, soil health, crop production, certification, and agribusiness entrepreneurship.

MODULE 1: INTRODUCTION & BASICS OF ORGANIC FARMING

- Concept and principles of organic farming
- Importance of organic agriculture in sustainable development
- Difference between conventional farming and organic farming
- Benefits of organic farming:
 - Environmental sustainability
 - Soil fertility improvement
 - Human health benefits
- Scope and future of organic farming in India
- National and international organic farming standards

MODULE 2: ORGANIC INPUTS & COMPOSTING

- Importance of organic inputs in crop production
- Types of organic manures:
 - Farmyard manure (FYM)
 - Green manure
 - Vermicompost
 - Bio-compost

- Preparation techniques:
 - Vermicomposting
 - NADEP compost
 - Pit and heap composting
- Biofertilizers:
 - Rhizobium
 - Azotobacter
 - Phosphorus Solubilizing Bacteria (PSB)
- Liquid organic inputs:
 - Jeevamrutham
 - Panchagavya
 - Beejamrutham

MODULE 3: CROP PRODUCTION PRACTICES

- Soil health management and fertility improvement
- Crop rotation and intercropping
- Seed selection and organic seed treatment
- Nursery management and transplanting
- Organic nutrient management
- Use of mulching and cover crops
- Harvesting and post-harvest handling

MODULE 4: PEST, DISEASE & WEED MANAGEMENT

- Principles of Integrated Pest Management (IPM) in organic farming
- Identification of major pests and diseases
- Biological control methods:
 - Natural predators
 - Parasites and pathogens
- Botanical pesticides:

- Neem-based formulations
- Plant extracts
- Mechanical and cultural weed control methods
- Use of traps:
 - Pheromone traps
 - Sticky traps
- Disease prevention strategies

MODULE 5: ORGANIC FARMING IN SPECIAL CROPS

- Organic cultivation practices for:
 - Vegetables
 - Fruits
 - Cereals and pulses
 - Oilseed crops
 - Spices and medicinal plants
- Protected cultivation in organic farming
- Organic kitchen gardening
- Urban and terrace organic farming

MODULE 6: LIVESTOCK INTEGRATION, RECYCLING & WATER MANAGEMENT

- Role of livestock in organic farming systems
- Organic livestock management practices
- Recycling of farm waste:
 - Crop residues
 - Animal waste
- Integrated farming systems
- Water management:
 - Rainwater harvesting
 - Drip and sprinkler irrigation
- Soil moisture conservation techniques

MODULE 7: ORGANIC CERTIFICATION, MARKETING & ECONOMICS

- Importance of organic certification
- National Organic Program (NOP)
- Participatory Guarantee System (PGS-India)
- Certification process and documentation
- Cost of organic production
- Pricing and profitability analysis
- Marketing channels:
 - Direct marketing
 - Organic markets
 - Online platforms
- Branding and packaging of organic produce

MODULE 8: ENTREPRENEURSHIP & ASSESSMENT

- Organic farming as an agribusiness
- Business planning for organic farms
- Value-added organic products
- Government schemes and subsidies
- Financial assistance and loan options
- Risk management in organic farming
- Practical assessments and field-based evaluation

PRACTICAL TRAINING & FIELD EXPOSURE

- Hands-on compost preparation
- Organic input preparation demonstrations
- Field visits to organic farms
- Pest and disease identification exercises
- Certification documentation practice

CAREER OPPORTUNITIES AFTER COMPLETION

- Organic Farmer
- Organic Farm Manager
- Organic Input Producer
- Agri-Entrepreneur
- Organic Consultant