

# Cultivation of Tropical, Subtropical, Vegetables, Spices, Medicinal and Aromatic Plants

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Plant spices grown in tropical countries on small scale family farms of commercial farms, to provide foods for human or live stock, in dry or humid regions are highly abundant and taxonomically diversified. Vegetables comprise of a large number of plants, mostly annual, of which different parts like leaf, stem, flowers, fruit, root etc. are eaten. They are rich in nutrients and are essential items of a balanced diet. Vegetables are called protective food as their consumption can prevent several diseases. Many vegetables are important items of commerce and thus can play a major role in the economic development. Generally classification of horticulture plants are based on nature of growth climatic requirement continuation of growth types of fruit parts used botanical relationship, salinity tolerance, ripening behaviour, botanical relationship, hardness or temperature tolerance, cool season vegetables, warm season vegetables, parts used as food, methods of raising, etc. Medicinal and aromatic plants are important for human health. These plants have been used from the prehistoric times to present day. These plants based medicines are consumed in all civilizations. It is believed that the herbal medicine can give good effect to body without causing side effects to human life. Besides, the usage of medical plants has been increasing as an important role that can support the economic system. The medical and aromatic plants for health are used as herbal treatments and therapies that can be new habits for culture. Medicinal and aromatic plants constitute a large segment of the flora, which provide raw materials for use by various industries. They have been used in the country for a long time for their medicinal properties. The decision to cultivate medicinal herbs should only be made in response to demand for particular herbs. The market is very competitive and could easily be oversupplied.

This book majorly deals with classification of horticultural plants, classification of flowers, classification of spices, soil and climatic requirements of horticultural plants, beet root, bottle gourd, harvesting and post harvest management, poly house vegetable production in temperate regions, vegetables growing in containers, tea, performance of plants from cutting, vegetative propagation, rubber, biofertilizers in vegetable cultivation, postharvest management of tropical tuber crops, etc.

This is an informative resource of the cultivation, irrigation, manuring, fertilization, harvesting and post harvest management of tropical, subtropical, vegetables, spices, medicinal and aromatic plants. This book is useful for entrepreneurs, ayurvedic institutes, libraries and consultants.

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Reaction of Host Crop

Prophylactic Measures (Therapeutics)

Biological Control

Chemical Control

98. POSTHARVEST MANAGEMENT OF POTATO

Harvesting

Postharvest Management

Drying, Curing and Grading

Dormancy

Postharvest Losses

Physiological Losses

Pathogenic Losses

Refrigerated Storage

Non-refrigerated Storage

Traditional Storage

Processing

99. POSTHARVEST MANAGEMENT OF TROPICAL

TUBER CROPS

Cassava

Harvesting and Handling

Storage

Utilization

Processing

Toxic Principles

Sweet Potato

Harvesting and Handling

Storage

Utilization

Processing

Anti-nutritional Factors

Elephant-Foot Yam

Harvesting and Handling

Utilization  
Anti-nutritional Factors  
Taro  
Harvesting and Handling  
Storage  
Utilization  
Anti-Nutritional Factors  
Tannia  
Harvesting and Handling  
Storage  
Utilization  
Anti-Nutritional Factors  
Lesser Yam  
Harvesting and Handling  
Storage  
Utilization  
Greater Yam  
Harvesting and Handling  
Storage  
Utilization  
White Yam  
Harvesting and Handling  
Storage  
Utilization  
Arrow-Root  
Harvesting and Handling  
Utilization  
Chinese Potato  
Harvesting and Handling  
Storage  
Utilization  
Yam Bean  
Harvesting and Handling  
Storage  
Utilization  
Winged Bean  
Harvesting and Handling  
Winged Bean  
Storage  
Utilization  
100. POSTHARVEST MANAGEMENT OF MUSHROOMS  
Postharvest Technologies  
Handling Fresh Mushrooms  
Harvesting  
Pre-Cooling  
Sorting  
Dipping/Treatments  
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Transportation  
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Low Temperature  
High Temperature

Drying  
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Pickling and Lactic Acid Fermentation  
Irradiation  
Minimal Processing  
Other Products  
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101.Tools and Equipments used in Horticulture

## About NIIR

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

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