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

|                                                             |                          |
|-------------------------------------------------------------|--------------------------|
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### **Description**

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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Based on Continuation of Growth

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Based on Botanical Relationship

Based on Salinity Tolerance

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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

Packaging

Transportation

Storage

Processing

Low Temperature

High Temperature

Drying

Chemicals

Pickling and Lactic Acid Fermentation

Irradiation

Minimal Processing

Other Products

Future Thrust and Export

101.Tools and Equipments used in Horticulture

## **About NIIR Project Consultancy Services (NPCS)**

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of

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