

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

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## About the Book

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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#### 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  
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

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