

## Entrepreneur India

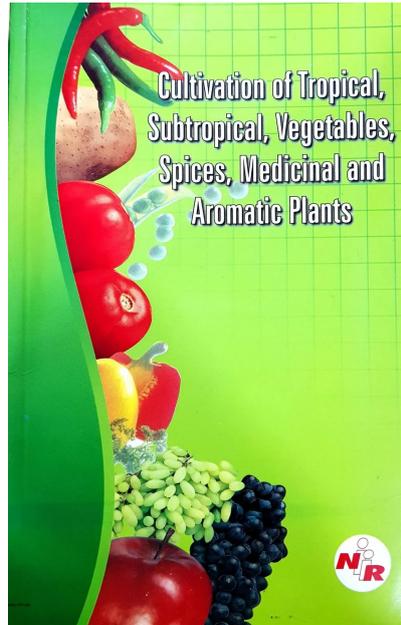
106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, +91 9097075054

Mobile: +91-9097075054

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Website: www.entrepreneurIndia.co



## 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.

## **Content**

### VEGETABLE CROPS

#### 1. CLASSIFICATION OF HORTICULTURAL PLANTS

Plant Kingdom

Classification of Fruits

Based on Nature of Growth

Based on Climatic Requirement

Based on Continuation of Growth

Based on Types of Fruit

Based on Parts Used

Based on Botanical Relationship

Based on Salinity Tolerance

Based on Ripening Behaviour

Based on Ethylene Evolution

Based on Bearing Behaviour

Classification of Vegetables

Based on Botanical Relationship

Based on Hardness or Temperature Tolerance

Cool Season Vegetables

Warm Season Vegetables

Based on Tolerance to Soil Acidity

Based on Tolerance to Salt

Based on Parts Used as Food

Based on Methods of Raising

Based on Forcing

Based on Rate of Respiration

Classification of Flowers

Based on Season of Growing

Based on Colour of Flower

Based on Purpose of Growing

Based on Nature of Growth

Based on Mode of Propagation

Based on Growth Behaviour

Classification of Spices

Based on Completion of Life Cycle

Based on Growth Behaviour

Based on Importance

Based on Part Used

Based on Utility

Based on Cultural Management

Based on Botanical Relationship

Classification of Plantatoin Crops

Based on Botanical Relationship

Based on Growth Behaviour

Based on Utility

Based on Extent of Growing

Based on Intensity of Cultivation

## 2. SOIL AND CLIMATIC REQUIREMENTS OF HORTICULTURAL PLANTS

Soil

Alluvial Soils

Tarai Soils

Arid Soils

Black Soils

Red Soils

Laterite Soils

Marshy Soils

Climate

Temperate Climate

Tropical Climate

Sub-Tropical Climate

Different Types of Horticulturally Potential Zones of the Country

Temperate Zone

North-Western Sub-Tropical Zone

North-Eastern Sub-Tropical Zone

Central Tropical Zone

Southern Tropical Zone

Coastal/Tropical Zone

Influence of Climatic Factors

On the Growth of Plants

Temperature

Humidity

Wind

Rainfall

Solar Radiation

## 3. VARIETAL WEALTH OF HORTICULTURAL CROPS

Fruits

Vegetables

Flowers

Plantation Crops

Seed Spices

## 4. AGATHI

Climate and Soil

Varieties

Cultivation

Manuring and Fertilization

Aftercare

Yield

## 5. AMARANTH

Climate and Soil

Varieties

Badi Chaulai

Chhoti Chaulai

Pusa Kiran

Pusa Lal Chaulai

Pusa Kirti

Cultivation

Sowing

Manuring and Fertilization

Irrigation

Interculture

Seed Production

Harvesting and Postharvest Management

## 6. ASH GOURD

Climate and Soil

Varieties

Apau Shakthi

Cultivation

Irrigation

Crop Regulation

Manuring and Fertilization

Harvesting and Postharvest Management

## 7. BEET ROOT

Climate and Soil

Varieties

Detroit Dark Red

Crimson Globe

Propagation and Rootstock

Cultivation

Planting

Training and Pruning

Manuring and Fertilization

Aftercare

Irrigation

Harvesting and Postharvest Management

Physiological Disorders

## 8. BITTER GOURD

Climate and Soil

Varieties

Cultivation

Sowing

Irrigation

Manuring and Fertilization

Intercultural Operations

Harvesting and Postharvest Management

## 9. BOTTLE GOURD

Climate and Soil

Varieties

Arka Bahar

Kalyanpur Hari Lambi

Punjab Komal

Punjab Long

Punjab Round

Pusa Manjari

Pusa Meghdut

Pusa Naveen

Pusa Summer Prolific Long

Pusa Summer Prolific Round

Rajendera Chamatkar

Cultivation

Field Preparation

Sowing

Manuring and Fertilization

Training

Interculture

Irrigation

Harvesting and Postharvest Management

## 10. BRINJAL

Climate and Soil

Varieties

Cultivation

Sowing

Manuring and Fertilization

Interculture

Irrigation

Harvesting and Postharvest Management

## 11. BROCCOLI

Climate and Soil

Varieties

Palam Samridhi

Cultivation

Manuring and Fertilization

Irrigation

Interculture

Harvesting and Postharvest Management

Physiological Disorders

## 12. BRUSSELS SPROUT

Climate and Soil

Varieties

Jade Cross

Hilds Ideal

Rubine

Cultivation

Manuring and Fertilization

Irrigation

Interculture

Harvesting and Postharvest Management

## 13. CABBAGE

Climate and Soil

Varieties

Copenhagen Market

Drumhead Savoy

Golden Acre

Pride of India

Pusa Drumhead

Pusa Mukta

Red Cabbage

September

Cultivation

Planting

Manuring and Fertilization

Interculture

Irrigation

Harvesting and Postharvest Management

## 14. CAPSICUM

Climate and Soil

Varieties

Cultivation  
Sowing  
Planting  
Training and Pruning  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

## 15. CARROT

Climate and Soil  
Varieties  
Tropical or Asiatic Types  
Temperate or European Types  
Cultivation  
Land Preparation  
Sowing  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

Physiological Disorders

## 16. CAULIFLOWER

Climate and Soil  
Varieties  
Cultivation  
Raising of Nursery  
Transplanting  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

Physiological Disorders

Riceyness

Fuzziness

Leafy Curds

Blindness

Buttoning

Chlorosis

Hollow Stem

Browning (brown-rot or red-rot)

Whiptail

## 17. CELERY

Climate and Soil  
Varieties  
Fork Hook Emperor  
Standard Beared  
Wright Grove Giant  
Cultivation  
Manuring and Fertilization  
Irrigation  
Interculture  
Harvesting and Postharvest Management

## 18. CHILLI

Climate and Soil  
Varieties  
Cultivation  
Raising Seedlings  
Manuring and Fertilization

Irrigation and Interculture  
Weed Control  
Harvesting and Postharvest Management

## 19. COWPEA

Climate and Soil  
Varieties  
Arka Garima  
Pusa Barsati  
Pusa Dofasali  
Pusa Komal  
Pusa Phalguni  
Pusa Rituraj  
Philippines Early  
Yard Long Bean  
Cultivation  
Sowing  
Manuring and Fertilization  
Irrigation  
Aftercare  
Harvesting and Postharvest Management

## 20. CUCUMBER

Climate and Soil  
Varieties  
Himangi

Japanese Long Green

Poinsett

Poona Khira

Pusa Sanyog

Sheetal

Cultivation

Sowing

Manuring and Fertilization

Aftercare

Irrigation

Harvesting and Postharvest Management

## 21. CURRY LEAF

Climate and Soil

Varieties

Cultivation

Propagation

Planting

Manuring and Fertilization

Aftercare

Harvesting and Postharvest Management

## 22. DRUMSTICK

Climate and Soil

Varieties

Chavakacheri Muringai

Chemmurungai

Jaffna Type

Kattumurungai

Kodikalmurungai

Palmurungai

Punamurungai

Yazphanam Muringa

Cultivation

Sowing

Crop Production

Manuring and Fertilization

Aftercare

Weeding

Intercropping

Harvesting and Postharvest Management

## 23. FRENCH BEAN

Climate and Soil

Varieties  
Arka Komal  
Bountiful  
Contender  
Jampa  
Kentucky Wonder  
Lakshmi  
Pant Anupma  
Premier  
Pusa Parvati  
Cultivation  
Sowing  
Aftercare  
Irrigation  
Harvesting and Postharvest Management  
Physiological Disorders

#### 24. GARLIC

Climate and Soil  
Varieties  
Propagation and Planting Material  
Cultivation  
Planting  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management  
Physiological Disorders

#### 25. KALE

Climate and Soil  
Varieties  
Cultivation  
Manuring and Fertilization  
Irrigation  
Interculture  
Harvesting and Postharvest Management

#### 26. KNOL-KHOL

Climate and Soil  
Varieties  
King of North  
Large Green  
Purple Vienna

White Vienna  
Cultivation  
Planting  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

## 27. LABLAB BEAN

Climate and Soil  
Varieties  
Pusa Early Prolific  
Cultivation  
Field Preparation  
Aftercare  
Harvesting and Postharvest Management

## 28. LETTUCE

Climate and Soil  
Varieties  
Cultivation  
Propagation  
Planting  
Manuring  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

Physiological Disorder

## 29. MUSKMELON

Climate and Soil  
Varieties  
Arka Jeet  
Arka Rajhans  
Durgapura Madhu  
Hara Madhu  
Hisar Madhur  
Hisar Saras  
Punjab Hybrid  
Pusa Madhuras  
Pusa Rasraj  
Punjab Rasila  
Pusa Sharbati  
Punjab Sunehri

Cultivation  
Sowing  
Land Preparation  
Manuring and Fertilization  
Hoeing and Weeding  
Irrigation  
Harvesting and Postharvest Management

### 30. OKRA

Climate and Soil  
Varieties  
Arka Abhay  
Arka Anamika  
Azad Kranti  
Harbhajan Bhindi  
Hisar Unnat  
Parbhani Kranti  
Perkins Long Green  
Punjab Padmini  
Pusa Makhmali  
Pusa Sawani  
Red Bhindi  
Varsha Uphar

Cultivation  
Sowing  
Training and Pruning  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

### 31. ONION

Climate and Soil  
Varieties  
Cultivation  
Planting  
Transplanting  
Planting by Bulbs  
Direct Sowing  
Planting by Sets  
Manuring and Fertilization  
Cultural Operations  
Irrigation

Harvesting and Postharvest Management

### 32. PALAK OR INDIAN SPINACH

Climate and Soil

Varieties

Cultivation

Sowing

Planting

Manuring

Aftercare

Irrigation

Harvesting and Postharvest Management

### 33. PARSLEY

Climate and Soil

Varieties

Cultivation

Manuring and Fertilization

Irrigation

Interculture

Harvesting and Postharvest Management

### 34. PEA

Climate and Soil

Varieties

Arkel

Bonneville

Harbhajan

Lincoln

Cultivation

Planting

Manuring and Fertilization

Aftercare

Irrigation

Harvesting and Postharvest Management

### 35. POINTED GOURD

Climate and Soil

Varieties

CHES Elite Line

Chhota Hilli

Dandali

Hilli

Shankolia

Swarna Alaukik

Swarna Rekha  
Propagation  
Cultivation  
Planting  
Manuring and Fertilization  
Training  
Interculture  
Irrigation  
Harvesting and Postharvest Management

### 36. PUMPKIN

Climate and Soil  
Varieties  
Ambili  
Arka Chandan  
Pusa Vikas  
Pusa Vishwas  
Cultivation  
Sowing  
Land Preparation  
Interculture  
Irrigation  
Off-season Cultivation  
Seed Production  
Hybrid Seed Production  
Harvesting and Postharvest Management

### 37. RADISH

Climate and Soil  
Varieties  
Asiatic or Tropical  
Arka Nishant  
Japanese White  
Jaunpuri Giant or Newari  
Kalyani White  
Nadauni  
Punjab Safed  
Pusa Chetki  
Pusa Desi  
Pusa Himani  
Pusa Reshmi  
European or Temperate Varieties  
Chinese Pink

Rapid Red White Tipped  
Scarlet Globe  
White Icicle  
Cultivation  
Preparation of Land  
Sowing  
Manuring and Fertilization  
Interculture  
Irrigation  
Growth Regulators  
Seed Production  
Postharvest Management  
Physiological Disorders

### 38. RIDGE GOURD

Climate and Soil  
Varieties  
Pusa Nasdar  
Satputia  
Cultivation  
Sowing  
Interculture

### 39. ROUND MELON

Climate and Soil  
Varieties  
Arka Tinda  
Tinda Ludhiana  
Tinda Tonk  
Tamil Nadu Selection  
Cultivation  
Planting  
Manuring and Fertilization  
Interculture  
Irrigation  
Harvesting and Postharvest Management

### 40. SNAKE GOURD

Climate and Soil  
Varieties  
Cultivation  
Sowing  
Interculture  
Harvesting and Postharvest Management

## 41. SPINACH

Climate and Soil

Varieties

Cultivation

Propagation

Planting

Manuring

Aftercare

Irrigation

Harvesting and Postharvest Management

## 42. SPONGE GOURD

Climate and Soil

Varieties

Cultivation

Sowing

Interculture

Harvesting and Postharvest Management

## 43. TOMATO

Climate and Soil

Varieties

Cultivation

Raising seedlings

Direct Seeding

Planting

Training and Pruning

Aftercare

Irrigation

Seed Production

Harvesting and Postharvest Management

Physiological Disorders

## 44. TURNIP

Climate and Soil

Varieties

Early Milan Red Top

Golden Ball

Purple Top White Globe

Pusa Chandrima

Pusa Kanchan

Pusa Swarnima

Pusa Sweti

Snow Ball

Cultivation  
Manuring and Fertilization  
Irrigation  
Interculture  
Seed Production  
Harvesting and Postharvest Management  
Physiological Disorder

#### 45. WATERMELON

Climage and Soil  
Varieties  
Arka Jyoti  
Arka Manik  
Asahi Yamato  
Durgapura Kesar  
Durgapura Meetha  
Improved Shipper  
New Hampshire Midget

Pusa Bedana

Sugar Baby

Cultivation

Pruning and Training

Manuring and Fertilization

Aftercare

Forcing Watermelons out of Season

Irrigation

Harvesting and Postharvest Management

#### 46. POLYHOUSE VEGETABLE PRODUCTION IN SUBTROPICS

Selection of Sites

Polyhouse Structures

Frames and Cladding Material

Environment Control

Selection of Vegetables

Nursery Raising

Off-season Vegetables Production

Aftercare

#### 47. POLYHOUSE VEGETABLE PRODUCTION IN TEMPERATE REGIONS

Polyhouses

Benefits

Status

Indian Polyhouses  
Plastic Low Tunnels  
Soil Trench  
Site Selection  
Polyhouse Structure  
Vegetable Production  
Nursery Raising  
Vegetable Production  
Seed Production  
Hydroponics and Micropropagated Vegetables  
Polyhouse Pests and Diseases  
Some Problems  
Prospects in India

#### 48. VEGETABLES GROWING IN CONTAINERS

Types of Containers  
Tools, Manures, Seeds, Fungicides and Insecticides  
Suitable Vegetables and their Varieties  
Cultivation  
Sowing/planting  
Aftercare  
Harvesting and Postharvest Management

#### PROPAGATION OF PLANTATION CROPS

#### 49. TEA

Seed Propagation  
Storage  
Germination  
Seed-Size  
Seed-Coat  
Treatment with Growth Substance  
Treatment with Fungicides  
Temperature  
Biochemical Changes during Germination  
Seedling Growth  
Seed Size  
Effect of Insecticides  
Irradiation  
Vegetative Propagation  
Cutting  
Type of Cutting  
Etiation and Girdling  
Media

Season  
Clonal Variations  
Effect of Growth Substances  
Stock Plant  
Oxygen  
Fungicide and Nematicide  
Type of Cutting and Growth Substances  
Type of Cutting and Media  
Type of Cutting and Season  
Type of Cutting, Media and Temperature  
Type of Cutting, Season and Growth Substances  
Type of Cutting, Media and Growth Substance  
Type of Cutting and Treatment with Nutrients  
Growth Substance, Media and Temperature  
Type of Cutting, Light, Humidity, Media and Growth  
Substance  
Storage of Cutting  
Other Treatments  
Root Cutting  
Performance of Plants from Cutting  
Layering  
Grafting  
Methods  
Budding  
Rootstock  
Effect on Growth and Yield  
Micropropagation  
50. CACAO  
Seed Propagation  
Storage and Viability  
Germination  
Stage of Harvest  
Depth of Sowing  
Air Drying  
Size of Pod  
Position of Seed in Pod  
Temperature  
Media  
Sugar  
Endogenous Substances  
Seedling Survival and Growth

Stage of Harvest of Seeds  
Container and Media  
Effect of Growth Substance and Antitranspirant  
Hybrids  
Age of Seedling at Transplanting  
Vegetative Propagation  
Cutting  
Stock Plant  
Type of Cutting  
Media  
Humidity  
Light  
Effect of Growth Substances  
Type of Shoot and Growth Substances  
Etiolation  
Growth Substance and Fungicides  
Type of Cutting and Growth Substance  
Media and Light  
Media and Growth Substance  
Type of cutting and Humidity  
Type of Cutting, Media and Humidity  
Type of Cutting, Growth Substance and Media  
Type of Cutting, Media, Humidity and Temperature  
Type of Cutting, Media, Light and Growth Substances  
Humidity, Temperature, Growth Substance and Light  
Clonal Variation  
Hardening of Cutting  
Layering  
Grafting  
Budding  
Methods  
Preparation of Budwood  
Top Working  
Rootstock  
Effect on Growth and Yield  
Incompatibility  
Effect of Different Methods of Propagation  
Micropropagation  
51. COFFEE  
Seed Propagation  
Viability

Germination  
Collection of Seed  
Moisture Content of Seed  
Effect of Cover  
Media  
Seed Treatment  
Seedling Growth  
Depth of Sowing  
Container  
Media  
Growth Substances, Fungicides and Nutrition  
Vegetative Propagation  
Root Sucker  
Cutting  
Type of Cutting  
Time of Taking Cutting  
Media  
Humidity  
Temperature  
Effect of Growth Substances  
Type of Cutting and Growth Substances  
Type of Cutting, Media and Temperature  
Type of Cutting, Media and Growth Substances  
Growth Substances and Media  
Media, Temperature and Humidity  
Root Cutting  
Leaf Cutting  
Layering  
Stooling  
Grafting  
Methods  
Type of Scion  
Season  
Effect of Leaves  
Growth of Grafted Plants  
Top Working  
Budding  
Storage of Budwood  
Rootstock  
Compatibility  
Growth and Adaptability to Environment

Nematode, Disease and Pest Resistant Rootstock

Micropropagation

52. RUBBER

Seed Propagation

Harvesting

Viability

Germination

Seedling Growth

Vegetative Propagation

Cutting

Type of Cutting

Juvenility

Ringing

Effect of Light

Effect of Growth Substances

Effect of Fungicides

Humidity and Temperature

Type of Cutting and Growth Substances

Grafting

Methods

Performance of Grafted and Budded Plants

Budding

Methods

Selection of Budwood

Age of Rootstock

Budding Material

Treatment

Care of Budded Plants

Performance of Budded Plants

Top Working

Rootstock

Effect on Growth and Yield

Resistant to Pests and Diseases

Influence of Scion on Growth and Yield

Micropropagation

53. OIL PALM

Seed Propagation

Storage and Viability

Germination

Effect of Media and Temperature

Effect of Oxygen

Effect of Irradiation  
Effect of Growth Substances  
Biochemical Changes  
Seedling Growth  
Storage of Clone  
Vegetative Propagation  
Micropropagation

#### 54. ARECANUT

Seed Propagation  
Selection of Seed Nuts and Viability  
Germination  
Raising of Seedling  
Selection of Seedlings  
Vegetative Propagation  
Layering

#### SPICES

#### 55. BETELVINE

Climate and Soil  
Varieties  
Propagation  
Cultivation  
Construction of Bareja or Boroj  
Raising of Support Plant in Open Cultivation  
Land Preparation  
Soil Treatment  
Planting  
Training/pruning  
Manuring and Fertilization  
Aftercare  
Irrigation  
Harvesting and Postharvest Management

#### 56. BLACK PEPPER

Climate and Soil  
Varieties  
Propagation  
Cultivation  
Planting  
Training/pruning  
Manuring and Fertilization  
Aftercare  
Irrigation

Harvesting and Postharvest Management

## 57. CARDAMOM (SMALL)

Climate and Soil

Varieties

Propagation

Cultivation

Planting

Manuring and Fertilization

Aftercare

Irrigation

Harvesting and Postharvest Management

## 58. CARDAMOM (LARGE)

Climate and Soil

Varieties

Bebo

Bharlangey

Golsey

Ramla

Ramsey

Sawney

Propagation

Primary Nursery

Secondary Nursery

Cultivation

Planting

Aftercare

Irrigation

Shade Regulation

Roguing and Gap-filling

Manuring and Fertilization

Harvesting and Postharvest Management

## 59. CINNAMON

Climate and Soil

Varieties

Propagation

Cultivation

Planting

Manuring and Fertilization

Irrigation

Harvesting and Postharvest Management

## 60. CLOVE

Climate and Soil  
Propagation  
Cultivation  
Planting  
Manuring and Aftercare  
Irrigation  
Postharvest Management

#### 61. CORIANDER

Climate and Soil  
Varieties  
Sindhua  
Sadhna  
Swathi  
Cultivation  
Sowing  
Manuring and Fertilization  
Weed Control  
Irrigation  
Harvesting and Postharvest Management  
Physiological Disorders

#### 62. CUMIN

Climate and Soil  
Varieties  
Cultivation  
Sowing  
Manuring and Fertilization  
Weed Control  
Irrigation  
Harvesting and Postharvest Management

#### 63. FENNEL

Climate and Soil  
Varieties  
Cultivation  
Sowing  
Manuring and Fertilization  
Weed control  
Irrigation  
Harvesting and Postharvest Management  
Physiological Disorder

#### 64. FENUGREEK

Climate and Soil

Varieties

Rajendra Kanti

Hissar Sonali

Cultivation

Sowing

Manuring and Fertilization

Weed Control

Irrigation

Harvesting and Postharvest Management

65. GINGER

Climate and Soil

Varieties

Cultivation

Planting

Manuring and Fertilization

Weeding and Mulching

Rotation and Intercropping of Ginger

Harvesting and Postharvest Management

66. NUTMEG

Climate and Soil

Varieties

Propagation and Rootstock

Cultivation

Nursery

Planting

Aftercare

Irrigation

Harvesting and Postharvest Management

67. TAMARIND

Climate and Soil

Varieties

Urigam

Cultivation

Propagation

Planting

Aftercare

Harvesting and Postharvest Management

68. TURMERIC

Climate and Soil

Varieties

Propagation

Cultivation

Manuring and Fertilization

Aftercare

Intercropping

Irrigation

Harvesting and Postharvest Technology

## MEDICINAL PLANTS

69. ASGAND

70. DILL

71. GUGGAL

72. HENBANE

73. ISABGOL

74. KHASI KATERI

75. LIQUORICE

76. OPIUM POPPY

77. PERIWINKLE

78. PIPALI

79. RAUVOLFIA

80. SENNA

## AROMATIC PLANTS

81. AMBRETTE SEED OR MUSKDANA

82. CELERY

83. CHAMOMILE

84. DAVANA

85. FRENCH JASMINE

86. INDIAN BASIL

87. JAVA CITRONELLA

88. KEWADA

89. LEMON GRASS

90. MINT

Peppermint

Spearmint

Bergamot Mint

91. PALMAROSA OIL GRASS

92. PATCHOULI

93. ROSE GERANIUM

94. SCENTED ROSE

95. VETIVER

96. BIOFERTILIZERS

Nitrogen Fixing Biofertilizers

Symbiotic Nitrogen Fixation

Asymbiotic Nitrogen Fixation

Azotobacter

Phosphate Solubilizing Biofertilizers

Mycorrhizal Fungi

Actinorhizal Plants

Biofertilizers in Vegetable Cultivation

Seed Treatment

Cutting/Set Treatment

Seedling Treatment

## 97. MANAGEMENT OF DISEASES

Disease Management

Escape From Pathogen

Preventing Entry of Inoculum

Eradication

Protection

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

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

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 Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our

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