

Handbook on Citrus Fruits Cultivation and Oil Extraction

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Format: Paperback

ISBN: 9788178331256

Code: NI223

Pages: 544

Price: Rs. 1,575.00 **US\$** 42.56

Publisher: Asia Pacific Business Press Inc.

Usually ships within **5** days

Citrus fruits are produced all around the world. They contain healthy nutrition content that works wonders for the body. Citrus fruits act as a fabulous source of vitamin C and a wide range of essential nutrients required by the body. India only represents a mere 4% of global citrus fruit production. But now a day, there is a rise in its cultivation. This rise in citrus production is mainly due to the increase in cultivation areas & the change in consumer preferences towards more health & convenience food consumption & the rising incomes. Citrus fruits have long been valued as part of a nutritious and tasty diet. The flavours provided by citrus are among the most preferred in the world, and it is increasingly evident that citrus not only tastes good, but is also good for people. It is well established that citrus and citrus products are a rich source of vitamins, minerals and dietary fiber (non starch polysaccharides) that are essential for normal growth and development and overall nutritional well being. However, it is now beginning to be appreciated that these and other biologically active, non nutrient compounds found in citrus and other plants (phytochemicals) can also help to reduce the risk of many chronic diseases. Appropriate dietary guidelines and recommendations that encourage the consumption of citrus fruit and their products can lead to widespread nutritional benefits across the population. All citrus fruit is acid fruit. The acid fruits are the most detoxifying fruits and excellent foods. Lemon oil is obtained from the fruits of citrus Limonum, Risso (Rutaceae). Although the majority of commercially available essential oils are extracted from the original botanical material by use of steam distillation, most citrus essential oils are extracted by pressing the rinds of the citrus fruits. The oil of sweet orange is obtained from the fruits of citrus Aurantium Risso and the oil of bitter orange from fruits of citrus Bigaradia Risso (Auranciaceae). Orange Essential Oil is energizing and is usually well loved by men, women and children. Citrus fruit oils are cheaper than most other essential oils. Lemon or sweet orange oils that are obtained as by products of the citrus industry are even cheaper.

Some of the fundamentals of the book are botanical classification, classification of genus citrus, criteria for citrus classification, information on important citrus fruits, subgenus fucitrus (edible citrus fruits), citrus cultivation, citrus fruits, kinnow mandarin, citrus fruit breeding, soil inspection for citrus family, nutrition for citrus world, proper harvesting of citrus, post harvesting of citrus fruits, etc.

This handbook on citrus fruits provides relevant information on most citrus crops, the basics of citriculture & production, pre & post harvest management, picking, storage etc. Selected topics on oil extraction of citrus fruits are also given to provide knowledge of the techniques used. This book will be helpful for technocrats, farmers, research scholar, institutions etc.

Contents

Contents

1. Botanical Classification
 Classification of Genus Citrus
 Criteria for Citrus Classification
 Different Classification
 Subgenus Eucitrus (10 Species)
 Subgenus 2. Papeda (6 Species)
 Subgenera 1. Archicitrus (5 Sections, 98 Species)
 Subgenera 2. Meta Citrus (3 Sections, 46 Species)
 Others of Somewhat Doubtful Classification
 Information on Important Citrus Fruits
 Subgenus Fucitrus (Edible Citrus Fruits)
 Acid Group
 Citrus Medica Linn. (Citron)
 Citrus Lemon Burm (Lemon)
 Citrus Aurantifolia Swingle (Acid Lime)
 Citrus Latifolia Tanaka (Tahiti or Persian Lime)
 Citrus Limettioides Tanaka (Sweet Lime)
 Citrus Jambhiri Lush (Rough Lemon; Jambiri)
 Citrus Limetta Risso (Limetta of the Mediterranean)
 Citrus Karna Raff (Kharna Khatta)
 Citrus Limonia Osbeck (Rangpur Lime)
 Citrus Pennivesiculata Tanaka (Gajanimma)
 Orange Group
 Citrus Aurantium Linn (Sour, Bigarade or Senville Orange)
 Citrus Sinensis Osbeck (Sweet Orange)
 Citrus Myrtifolia Raffinesque
 Citrus Bergemia Risso (Bargmot Orange)
 Citrus Natsudaoides Hayata
 Pumelo-Grapefruit Group
 Mandarin Group
 Citrus Reticulate Blance (loose skinned orange or Santra of India)
 Citrus Unshiu M (Satsuma Mandarin)
 Citrus Deliciosa Tenore
 Citrus Nobilis Loureiro (King Mandarin)
 Citrus Reshni Tanaka (Spice Mandarin)
 Citrus Medurensis Lou (Calamondin)
 Citrus Madaraspata Tanaka
 Subgenus Papeda : (Inedible Citrus Fruits)
 Eupapeda Citrus
 Citrus Macroptera (Metanewsian Papeda)
 Papeda Citrus
 Citrus Ichangensis
 Citrus latipes (Khasi Papeda)
 Kumquats
 Fortunella Margarita Swingle (Nagami or Oval Kumquat)
 Fortunella Japonica Swingle (Marumi or Round Kumquat)
 Fortunella Crassiflora Swingle (Meiwa Kumquat)
 Fortunella Bindsii Swingle (Hong Kong wild Kumquat)
 Poncirus Trifoliata L. (Trifoliolate Orange)
 Citrus Relatives
 Aegle Marmelos Linn. (Bael)
 Feronia Limonia (Linn) Swingle (Wood apple)

2. Citrus Cultivation

Sweet Oranges

Citrus Sinensis Osbeck

Batavian

Hamlin

Jaffa

Malta Blood Red

Mosambi

Pineapple

Sathgudi

Shamouti

Valencia Late

Washington Navel Oranges

Mandarin Oranges

Citrus Reticulata B.

Calamondin (Citrus Madurensis Lou)

Cleopatra (Spice Tangerine) C. reshni T.

Coorg Orange

Dancy Tangerine

Desi Mandarin (Pathankot)

Khasi Orange

King Mandarin

Kinnow Mandarin

Nagpur Santra

Satsuma Orange (C. unshiu M.)

Temple Mandarin

Lemon C. limon Burm

Eureka Lemon

Lisbon Lemon

Lucknowseedless

Hill Lemon (Galgal) C. pseudolimon Tanaka

Malta Lemon

Meyer Lemon

Napali Oblong

Villafranca

Lime

Acid Lime (Citrus aurantifolia Swingle)

Tahiti (Persian) Lime (C latifolia Tanaka)

Rangpur Lime (Citrus Limonia Osbeck)

Sweet Lime (Citrus Limettioides Tanaka)

Pummelo (C. Grandis Osbeck)

Nagpur (Chakotra)

Grapefruit (C. Paradisi Macf)

Duncan

Foster

Marsh Seedless

Ruby

Shaharanpur Special

Thompson (Pink Marsh)

Citrus Hybrids

Inter Generic Hybrids

Hybrids of Poncirus

Citranges

Citrangquats (Citrus O(range) Kum(quats)
Citrangedins (Citrus O(range) Calomon (din)
Citrangors
Cleitranges
Citrumelos
Hybrids of Fortunella
Procimequat (Pro(to)Citrus—L)imequat.
(Fortunella japonica—C.aurantifolia, Cv. "Mexican)—F.hindsii.
Limequats (C. aurantifolia—F. japonica)
Orangequats. (C. reticulata Cv. satsuma—F. japonica—F. morgarita Cv. meiwa)
Hybrids of Genus Eremocitrus
Intrgeneric Hybrids

3. Citrus Fruits

Sweet Orange

Climate

Soil

Cultivars

Mosambi

Blood Red Malta

Sathgudi

Pineapple

Washington Navel

Jaffa

Shamouti

Valencia Late

Hamlin

Batavian

Propagation

Raising of Seedlings for Rootstock

Budding

Planting

Manure and Fertilizers

Irrigation

Interculture and Intercropping

Training and Pruning

Bahar Treatment

Fruit Drop

Physiological Fruit Drop

Control Measures

Pathological Fruit Drop

Control Measures

Harvesting

Yield

Post Harvesting Handling and Storage

4. Mandarin

Uses

Climate

Soil

Varieties

Nagpur Santra

Khasi Orange (Mandarin)

Coorg Orange
Desi Mandarin (Pathankot)
Other Varieties
Propagation
Manure and Fertilizers
Yield
Post Harvest Handling and Storage

5. Kinnow Mandarin

Uses
Climate
Soil
Propagation
Planting
Manures and Fertilizers
Irrigation
Interculture and Intercropping
Flowering and Fruiting
Harvesting
Yield
Post Harvest Handling and Storage

6. Sour Lime

Uses
Climate
Soil
Types/Varieties of Lime
Kagzi Lime
Chakradhar Lime
Rangpur Lime (*Citrus limonia* Osbeck)
Taheti (Persian) Lime (*C. latifolia* Tanaka)
Propagation
Raising of Seedlings
Planting
Manure and Fertilizers
Irrigation
Interculture and Intercropping
Training and Pruning
Flowering and Fruiting
Harvesting
Postharvest Handling and Storage

7. Sweet Lime

Uses
Climate
Soil
Varieties
Mitha Chikna
Propagation
Planting
Manures and Fertilizers
Irrigation
Training and Pruning

Flowering and Fruiting
Harvesting
Yield
Handling and Storage

8. Lemon

Uses
Climate
Soil
Varieties
Eureka
Lisbon Lemon
Villafranca
Lucknow Seedless
Nepali Oblong
Baramasi
Kagzi Kalam
Hill Lemon. (Galgal) *C. pseudolemon* Tanaka
Meyer Lemon
Pat Lemon
Italian Lemon
Rajamundry Lemon
European Lemon
Ponderosa Lemon or Japanese Lemon
Malta Lemon
Propagation
Planting
Irrigation
Manure and Fertilizers
Training and Pruning
Improvement in Yield
Harvesting
Yield
Post Harvest Handling and Storage

9. Grapefruit

Uses
Climate
Soil
Varieties
Marsh Seedless
Duncan
Foster
Saharanpur Special
Ruby
Thompson (Pink Marsh)
Triumph
Propagation
Planting
Irrigation
Training and Pruning
Flowering and Fruiting
Harvesting

Yield

Post-harvest Handling and Storage

10. Pummelo

Uses

Climate

Soil

Varieties

Propagation

Planting

Cultural Practices

Harvesting and Yield

Insect-pests of Citrus Fruits

Lemon Butterfly (*Papilio demoleus* Linn)

Control Measures

Citrus Leaf Miner (*Phylloenistis Citrella* Stainton)

Control Measures

Citrus Psylla (*Diaphornia Citri* Kuwayma)

Control Measures

Whiteflies

Control Measures

Control Measures

Aphids

Control Measures

Mites

Control Measures

Scale Insects

Control Measures

Nematodes

Control Measures

Stem and Bark Borers (*Indarbela Tetraonis* Moore and *I. qudrinotata* Walker)

Control Measures

Fruit Sucking Moths (*Ophideres* spp).

Control Measures

Fruit Flies (*Daccus* spp).

Diseases of Citrus Fruits

Gummosis (*Photophthora* spp, *Diplodia Natalensis* Pole Evans)

Control Measures

Ganoderma Root Rot (*Ganoderma Lucidum* Karst)

Control Measures

Pink Disease (*Pellicularia Salmonicolour* Dastur)

Control Measures

Powdery Mildew (*Acrosporium Tingitaninum* Subr).

Control Measures

Anthrachnose (*Colletotrichum Gloeosporioides* and *Gloeosporium Limethicolum* Clausen)

Control Measures

Twig Blight (*Diplodia* and *Fusarium* spp.)

Control Measures

Citrus Canker (*Xanthomanas Citri* Dowsan)

Control Measures

Tristeza Virus Disease (*Corium Vialoris*)

Control Measures

Xyloporosis

Control Measures
Psoriasis
Control Measures
Exocortis or Scalybutt
Control Measures
Citrus Greening
Control Measures
Dendrophthoe
Control Measures
Fruit Cracking
Control Measures
Citrus Decline
Control Measures
Granulation
Control Measures
Fruit Drop
Control Measures
Alternate Bearing
Control Measures

11. Citrus Fruit Breeding

Aims of Citrus Breeding
Related to Fruit Characters
Related to Tree Characters
Related to Rootstocks
Problems in Citrus Breeding
Time
Polyembryony
Sterility
Breeding Method
Introduction
Selection
Hybridization
Mutation Breeding
Choice of the Procedure
Cytogenetics
Blossom Biology in Citrus
Blooming Period
Flower Bud Differentiation
Flower Bud Development
Inflorescence
Sex Ratio
Anthesis
Dehiscence
Stigma Receptivity
Storage, Longevity and Fertility of Pollen
Pollen Germination
Pollination and Fecundation
Fruit Development
Technique of Hybridization
Structure of the Citrus Flower
Calyx
Corolla

Stamens
Pistil
Selection of Parents
Selection of Seed Parent Trees, Branches and Flowers
Bagging the Flowers
Emasculation
Pollination
Fruit Set

12. Suitable Climate

Influence of Climatic Factors

Temperature

Relative Humidity

Rainfall

Winds

Altitude

Climatic Requirements of Different Citrus Species

Sweet Oranges (*Citrus Sinensis* Osbeck)

Mandarin Oranges (*Citrus Reticulata* Blanco)

Acid Lime (*Citrus Aurantifolia* Swingle)

Sweet Lime (*Citrus Limettioides* Tanaka)

Lemon (*Citrus Limon* B)

Grapefruit (*Citrus Paradisi* Macf)

Pummelo (*Citrus Grandis* Osbeck)

Climate in Different Regions of India

13. Type of Soil

Water Drainage

Depth of the Soil

Nature of the Subsoil

Soil-reaction

Salts

Type and Fertility of the Soil

Soils Requirement of Different Citrus Species

Citrus Soils of India

Citrus Soils of Elsewhere

Work Done in India

Citrus Breeding in U.S.A.

Tangelos (Tangerine \times Grapefruit)

Citranges (*Poncirus Trifoliata* \times *Citrus Sinensis*)

Citrangquats (Citrangle \times Kumquat)

Limequats (Mexican Lime \times Kumquat)

Hybrid acid Citrus fruit

Mandarin Types

Citrus Breeding in U.S.S.R.

Citrus Breeding in Other Countries

New Approaches in Citrus Breeding in India

14. Making an Orchard

Selection Of Site

Spacing

Preparation of the Site

Layout

Selection of Varieties
Digging and Filling of Pits
Planting Season
Planting
Care of Young Plants

15. Cultivation of an Orchard

History
Cultivation
Greenhouse
Orchard House and its Management
Composts, Potting Methods, and Containers
Bark Preparation
Feeding of Orchard Plants
Outdoor Cultivation of Orchards
Growing Orchards in Outdoor Beds
Vegetative Propagation
Raising of Orchards from Seeds
Care of Seedling
Shoot Tip or Meristem Culture
Differentiation of Flower Buds and Induction of Flowering
Resting
Method of Hybridisation
Storing Pollen
Procedure for Pollination
After Pollination
Diseases and Pests
Control Measures for Fungal Diseases
Viral Diseases and their Control
Insect Pests and their Control

16. Propagation of Citrus Fruits

Seed Propagation
Seed storage
Seed Bed
Sowing Time
Sowing
Germination
Shade
Nursery Bed
Care of the Young Seedlings
Asexual Propagation
Budding
Preparation of Stock Seedling
Collection of Budwood
Storage of Budwood
Method of Operation
Height of the Budding
Lopping
Care of Young Budlings in the Nursery
Digging of Budlings
Transporting
Budwood Certification Programmes

Cuttings
Layering
Grafting
Top-Working
Purchasing of Seedlings or Budlings
Care of Plants on Arrival from the Nursery
Propagation of Different Citrus Species
Bud Variation
Causes of Bud Variations
Classification or Variations
Significance of Bud Variation
Bud Selection
Bud Selection Methods
Nucellar Embryony
Origin and Development of Nucellar Embryos
Factors Affecting the Polyembryony
Identification
Inheritance of Nuclear Embryony
Nucellar Embryony in Citrus Species and Cultivars
Strongly Polyembryonic
Weakly Polyembryonic
Number of Embryos Per Seed
Number of Nucellar Seedlings Per Seed
Horticultural Significance
Significance of Nucellar Embryony in Citrus Breeding
Nucellar Embryony and Heterozygosity
Drawback of Nucellar Seedlings
Performance of Nucellar Lines
In Vitro Culture of Nucellar Embryos

17. Budded Roots

Qualities of a Good Rootstock
Citrus Rootstocks in India
Citrus Rootstocks of the World
Rootstock Trials in India
Punjab
Uttar Pradesh
Assam
Andhra Pradesh
Maharashtra
Karnataka
Tamil Nadu
Characteristics of Rootstocks
Cleopatra Mandarin: Citrus Reshni T.
Troyer Citrange
Citrus Sinensis — Poncirus Trifoliata
Swingle Citrumelo
Duncan Grapefruit — Trifoliolate Orange
Stock and Scion Relationships in Citrus
Effect of Root stock on Vigour of the Scion
Effect on Precocity
Effect on Productivity and Yield
Effect on Fruit Size, Colour and Quality

Effect on Winter Hardiness
Effect on Nutrition
Effect on Disease Resistance
Effect of the Scion on Rootstock
Effect of Interstocks
CITRUS ROOTSTOCK PROBLEMS
Stionic Failures
Viruses
Diseases
Nematodes
Salts

18. Cutting of Weak/Neglected Parts
Pruning of Young and Pre-bearing Plants
Pruning Bearing Trees
Pruning Older Trees
Pruning Neglected Trees
Pruning Overgrown Trees
Hedging
Root Pruning
Pruning Time
Wound Protection
Pruning Different Citrus Species
Pruning Problems

19. Soil Inspection for Citrus Family
Soil Tillage
Different Soil Management Practices

20. Inter Cultivation
Choice of Intercrops in India
Intercropping in Other Countries

21. Nutrition for Citrus World
Mineral Nutrition
Nitrogen
Phosphorus
Potassium
Calcium
Magnesium
Sulphur
Zinc
Iron
Copper
Manganese
Boron
Molybdenum
Combined Nutritional Sprays
Factors Governing the Nutrition
Nutrient Elements Balance
Manuring and Fertilization
Manuring of Young and Pre-bearing Trees
Manuring Bearing Trees

Time of Application
Methods of Application
Foliar Analysis
Soil Vs. Foliar Analysis
The Concept of Foliar Analysis
Factors Affecting Mineral Composition of Leaves
Methods of Leaf Sampling
Preliminary Survey of Orchard and Selection of Initial Sampling Technique
Methods of Analysis
Leaf Analysis Standards
Interpretation of the Leaf Standards of Different Elements

22. Control Irrigation

Irrigation Requirement of Citrus Trees
Time and Frequency of Irrigation
Quality of Irrigation Water
Systems of Irrigation
Basin System
Furrow System
Flood Irrigation System
Check System
Sprinkler Irrigation
Advantages
Disadvantages
Drip- or Trickle-irrigation
Advantages
Disadvantages
Pitcher System
Sub-surface Irrigation
Irrigation to Young and Pre-Bearing Trees
Irrigation to Bearing Trees

23. Unwanted Weed Removal

Control
Weed Control in Nurseries
Weed Control in the Main Field
Herbicidal Effects
Phytotoxic Effects
Other Effects

24. Proper Harvesting of Citrus

Picking Time
Methods of Picking
Handling
Grading
Packing
Marketing

25. Oil of Bergamot

26. Oil of Lemon

27. Oil of Mandarin

28. Oil of Orange

29. Study of Orange Essential Oils
Analysis by Infrared Spectroscopy

30. Study of Orange Essential Oils
Chemical Modifications During Aging

31. Citrus Carotenoids (I) The Structure of Citranaxanthin, a New Carotenoid Ketone
Experimental
Isolation of Citranaxanthin I
Anal. Calcd.
Alkali Cleavage of Citraanaxanthin (I).
Reduction of Citranaxanthin
Citranaxanthin (I)
Anal. Calcd.

32. Citrus Carotenoids (II) The Structure of Reticulataxanthin

33. Factors Direct Fruit Variety

Climatic Factors

Temperature

Water

Nutritional Factors

Nitrogen

Phosphorus

Potassium

Magnesium

Manganese

Copper

Boron

Rootstock Effects

Fruit Size

Colour of Rind

Juice

Total Soluble Solids

Total Acidity

Ascorbic Acid Content

34. Post Harvesting of Citrus Fruits

Degreening

Pre-harvest Treatment

Post-harvest Application

Storage

Waxing

Polyethylene Covers

Growth Regulators

Cold Storage

Controlling Moulds in Storage

35. New Problems for Citrus Family

Alternate Bearing

Factors Affecting Alternate Bearing
Control
Resting Treatment
Choice of Bahar
Granulation
Analogy of Granulation
Physico-chemical Characteristics of Granulated Fruits
Incidence and Progress of Granulation
Factors Affecting Granulation
Humidity
Temperature
Light
Tree age
Tree health
Tree Vigour
Tree Aspect
Tree Variation
Fruit Size
Rootstock
Varietal Susceptibility
Control Measures
Irrigation
Effect of Time Sprays
Effect of Growth Regulators
Nutritional Sprays
Citrus Decline
Symptoms
Factors Responsible for Citrus Decline
Soil Factors
Nutritional Factors
Rootstock Factors
Orchard Management Factors
Insect-pests
Nematodes
Fungal Diseases
Viruses
Control Measures
Fruit Drop
Retarding or Inhibiting Factors
Accelerating or Initiating Factors
Temperature
Water
Insect Pests and Diseases
Physiological Factors
Nitrogen
Carbohydrates
Auxins
Embryo Development
Control of Fruit Drop
Mandarins
Sweet Oranges
Grapefruit
Lemons

36. Use of Plant Growth Regulators

2,4-Dichlorophenoxy Acetic Acid (2,4-D)

2,4,5-Trichlorophenoxyacetic Acid (2,4,5-T)

Napthalene Acetic Acid (NAA)

Gibberellins

Cytokinins

Growth Retardants

Ethylene

Limitations

37. Serious Diseases of Citrus

Diseases Caused by Fungi

Gummosis

Symptoms

Etiology and Spread of Disease

Varietal Susceptibility

Control Measures

Preventive Measures

Curative Measures

Diplodia Gummosis

Symptoms

Spread

Control

Ganoderma Root Rot

Symptoms

Control

Pink disease

Symptoms

Control

Powdery Mildew

Symptoms

Etiology and Spread

Control

Felt Disease

Symptoms

Etiology and Spread

Varietal Susceptibility

Control

Anthraco-nose

Symptoms

Etiology and Spread

Control Measures

Scab

Symptoms

Etiology and Spread

Varietal Susceptibility

Control

Dry Root-rot

Symptoms

Etiology

Control

Armillariella Root-rot

Symptoms
Control
Sooty Mould
Symptoms
Damage
Etiology and Spread
Control
Melanose
Symptoms
Etiology and Spread
Control
Twig Blight
Etiology
Symptoms
Control
Leaf Fall and Fruit-rot
Symptoms
Etiology
Control
Sphaeropsis Knots
Limb Breakage
Greasy Spot
Nursery Diseases
Diseases Caused by Bacteria
Citrus Canker
Symptoms
Etiology and Spread
Varietal Resistance
Control
Citrus Blast
Bacterial Root Rot
Diseases Caused by Viruses
Diseases Affecting Certain Stionic Combinations
Tristeza or Quick Decline
Symptoms
Etiology
Transmission of the Virus
Varietal Susceptibility
Control
Saving the Existing Infected Orchards
Avoiding Losses in New Citrus Plantings
Xyloporosis
Symptoms
Virus Diseases Occurring Irrespective of Rootstocks
Psorosis
Symptoms
Etiology
Control
Stubborn Disease
Symptoms
Etiology
Diseases Caused by Viroids
Exocortis or Scalybutt

Other Miscellaneous Virus Diseases

Budunion Crease

Citrus Mosaic

Infectious Variegation

Yellow-Corky Veins

Blastomania

Leaf-curl-disease

Other Virus-Like Disorders

Creeping Stem

Bark Eruptions

Woody Galls

Young Tree Decline

Gummy Pitting

Tatter Leafâ€™ Citrange Stunt Complex

Citrus Mosaic, Navel Infections Mottling and Natsudaiddai dwarf

Citrus Greening

Symptoms

Etiology

Transmission

Varietal Susceptibility

Control

Phanerogamic Parasites

Dendrophthoe (Loranthus)

Cassytha

Physiological Disorders

Foam Disease

Symptoms

Cause

Fruit Splitting

Symptoms

Cause

Control

Endoxerosis

Symptoms

Cause

Control

Creasing (Puffiness)

Rough Fruit Disorder

Market for Storage Diseases

Penicillium Moulds

Alternaria Rot

Black Core Rot

Diplodia-Stem-end Rot

Aspergillus Rot

Miscellaneous Diseases

38. Important Pests of Citrus

Introduction

Root Pests

Stem and Trunk Pests

Borers

Chloridolum Alemene Thomson

Monohanmus Versteegi Nitzema (Trunk Borer)

Stein and Bark Borers (Indarbela Spp.)

Damage by Borers

Control

Foliage Pests

Lemon Butterfly (Papilo Demoleus Linn.)

Papilionidae : Lepidoptera.

Distribution

Host Plants

Life History

Damage

Control

Citrus Leaf-Miner: (Phyllocnistis Citrelia Stainton) (Phyllocnistidae: Lepidoptera).

Distribution

Host Plants

Life History

Damage

Control

Citrus Psylla: Diaphornia Citri Kuwayama

Distribution

Host Plants

Life-history

Damage

Control

Whiteflies (Aleurocanthus Spp, Dialeurodes Spp)

Distribution

Host Plants

Life History

Damage

Control

Weevils: (Myloccerus Discolor BOH)

Mealy Bugs : Pseudococcus Spp (Pseudococcidae : Hemiptera)

Distribution

Host Plants

Life History

Damage

Control

Aphids: Hemiptera Aphididae

Distribution

Host Plants

Life History

Damage

Control

Thrips: (Scirtothrips spp, Heliiothrips spp)

Distribution

Host Plants

Damage

Life History

Control

Scale Insects: (Coccidae: Homoptera)

Damage

Armoured Scales

Unarmoured or Soft Scales

Spread

Control

Mites: (Tetranychidae: Acarina)

Distribution

Life History

Damage

Citrus Rust Mite: *Phyllocoptruta Oleivorus* Ashm

Six-spotted Mite : *Tetranychus Sexmaculatus* Riley

Control

Minor Pests

Hairy Caterpillars *Euprotctis Fraterna* M

The Citrus Leaf-roller (*Psorosticha Zizyphi* Staintor)

Orange Hair Streak: (*Tarucus Theophrastus*)

A Grass Hopper : *Poekilocerus Pictus* Fab

Cricket: *Braehytrypes Portentosus* Light

Longhorn Beetle: *Oberea Mangalorensis*

Flower Pests

Citrus Flower Moth : *Prays Citri* Milliers

Cacoecia *Epicyrta* Meyrick

Blossom Midge *Sayneura Citri* G & P

Fruit Pests

Fruit Sucking Moths (Noctuididae : Lepidoptera)

Calpe Emarginata

Distribution

Host Plants

Life History

Damage

Control

Fruit Flies

Distribution

Host Plants

Life History

Damage

Control

Fruit Sucking Bugs

Distribution and Host Plants

Life History

Damage

Control

Citrus Rind Borer: *Prays Endocarpi* Meyrick.

General Control Measures

39. Nematodes of Citrus

Citrus Root Nematode

Tylenchulus Semipenetrans Cobb. 1913

Host Range

Control Measures

Cultural Control

Biological Control

Resistant Rootstocks

Reniform Nematode (*Rotylenchulus Reimformis*)

Burrowing Nematode (*Radopholus Similies*)

The Lesion Nematode (*Pratylenchus Coffeae*)

Root-knot Nematode (*Meloidogyne Africana*)

The Lance Nematode (Hoplolaimus Indicus)
Poncirus
Fortunella (Kumquats)
Citrus

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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Fri, 29 Sep 2023 02:43:07 +0530