Handbook on Citrus Fruits Cultivation and Oil Extraction

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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 (Auranciacae). 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 Soville Orange) Citrus Sinensis Osbeck (Sweet Orange) Citrus Myrtifolia Raffinesque Citrus Bergemia Risso (Bargmot Orange) Citrus Natsudaidai 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 Loureio (King Mandarin) Citrus Reshni Tanaka (Spice Mandarin) Citrus Medurensis Lou (Calamondin) Citrus Madaraspatana 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 Kumguat) Fortunella Bindsii Swingle (Hong Kong wild Kumguat) Poncirus Trifoliata L. (Trifoliate 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

Citrangequats (Cit)rus O(range) Kum(quats) Citrangedins (cit)rus O(range)×Calomon (din) Citrangors Cleitranges Citrumelos Hybrids of Fortunella Procimequat (Pro(to)C(itrus×L)imequat. (Fortunella japomica×C.aurantifolia, Cv.â€"Mexican)×F.hindsii. Limequats (C. aurantifolia×F. japonica) Orangeguats. (C. reticulata Cv. satsuma×F. japoncia×F. morgarita Cv. meiwa) Hybrids of Genus Eremocitrus Intrangeneric 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

Training and Pruning

Irrigation

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 Rajamundary 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 Feedless 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** Anthracnose (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 Psorosis **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 Osbseck) Mandrin 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 Flsewhere Work Done in India Citrus Breeding in U.S.A. Tangelos (Tangerine × Grapefruit) Citranges (Poncirus Trifoliata × Citrus Sinensis) Citrangequats (Citrange × Kumquat) Limequats (Mexican Lime × 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 Orchad History Cultivation Greenhouse Orchad House and its Management Composts, Potting Methods, and Containers **Bark Preparation** Feeding of Orchad Plants Outdoor Cultivation of Orchads Growing Orchads in Outdoor Beds Vegetative Propagation Raising of Orchads 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 Nucelear Emorbyony in Citrus Species and Cultivars Strongly Polyembryonic Weekly Polyembryonic Number of Embryos Per Seed Number of Nucelear Seedlings Per Seed Horticultural Significance Significance of Nucelear Embryony in Citrus Breeding Nucelear Embryony and Heterozygosis Drawback of Nucelear Seedlings Performance of Nucelear Lines In Vitro Culture of Nucelear 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 Ã- Poncirus Trifoliata Swingle Citrumelo Duncan Grapefruit × Trifoliate 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 Citra anaxanthin (I).
Reduction of Citranaxanthin
Citranaxanthin (I)
Anal. Caled.

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 Anthracnose 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 **Etoilogy 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 Natsudaidai 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) (Phyllecnistidae: 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: (Myllocerus Discolor BOH) Mealy Bugs : Pseudocoecus Spp (Pseudococcidae : Hemiptera) Distribution Host Plants Life History Damage Control Aphids: Hemiptera Aphididae Distribution Host Plants Life History Damage Control Thrips: (Scirtothrips spp, Heliothrips spp) Distribution Host Plants Damage Life History Control Scale Insects: (Coccidoe: Homoptera) Damage Armoured Scales Unarmoured or Soft Scales Spread

Control Mites: (Textranychidae: 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: (Taraucus Theophrastus) A Grass Hopper : Poekilocerus Pictus Fab Cricket: Braehytrypes Portentosus Light Longhorn Bettle: Oberea Mangalorensis Flower Pests Citrus Flower Moth : Prays Citri Milliers Cacoecia Epicyrta Meyrick Blossom Midge Sayneura Citri G & P Fruit Pests Fruit Sucking Moths (Noctudidae : 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 Africane)

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

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