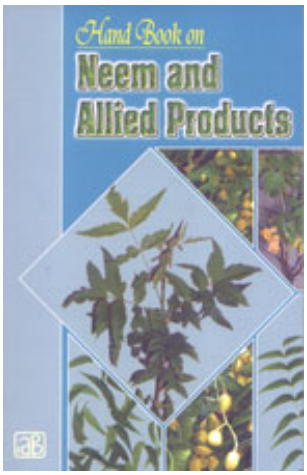
Hand Book on Neem & Allied Products



Author: NIIR Board
Format: Paperback
ISBN: 8178330415
Code: NI49
Pages: 478
Price: Rs. 975.00 **US$** 100.00
Publisher: Asia Pacific Business Press Inc.
Usually ships within **3** days

The neem tree, which is also known as Margosa or Indian lilac, grown extensively in Asian and African countries. The neem is very useful tree due to its medicinal and insecticidal properties and can be grown even under semi arid and subhumid conditions upto 700m above sea level. The book covers cultivation of neem and processing of its products. It will be of immense value to all concerned with manufacturing of neem products; consultants Institutions or those who want to diversify in to production of neem based products.

Contents

Seed Cleaning
Mechanical Destoner
Mechanical Sieve-shaker Separator Fitted with Air Cyclone System
Sedimentation (Gravitational) Technique
Decoration of Seed
Crushing
Discussion

17. Products from Neem
Semi-greaseless cold cream
Skin toning lotions
Cream Cholesterin Type
Herbal Soap (Neem based)
Neem based tooth paste
Radhas Ayurvedic Soap
Arya Neem Plus Turmeric Herbal Soap
Krishna Tulsi Herbal Soap
Medimix Skin Care Capsule
Shodha
Alargin forte
Beauty plus
Dantshodhak
Hemoclin syrup
Epidermoil Oil
Neem capsule
Charmi capsules
Hemocleen

18. Repellent Action of Neem Oil on Insects of Public Health Importance
Methodology
Results
Discussion
Conclusion

19. Effect of Neem Oil: Structural and Functional Change in the Epididymis of Rats
Materials and Methods
Neem Oil
Animals
Sperm Motility and Sperm Count
Biochemical Estimations
Histological Investigation
Statistical Analysis
Results
Discussion

20. Rat Toxicity Studies with Neem Oil
Materials and Methods
Neem Oil
Animals
Biochemical Studies

25. Development of a Neem Formulation and Its Evaluation for Control of Crop Pests
Materials and Methods
Product Development
Laboratory Studies
Field Studies
Results and Discussion
Laboratory Studies
Field Studies

26. Effect of Neem Cake, Neem Oil, Repelin and Carbofuran on Control of Soybean Nematodes
Materials and Methods
Results and Discussion

27. Thyroid Hormones and Intermediary Metabolism in Fish: Influence of Neem Kernel Extract
Materials and Methods
Results
Effect of T3 or T4 in Fish Injected with NKE
Effect of T3 and T4 in Fish Immersed in NKE-treated Water
Discussion

28. Clinical Studies with Praneem Polyherbal Cream in Chlamydial Cervicitis
Materials and Methods
Polyherbal Cream
Patients
Diagnostic Methods for C. trachomatis
Dose Schedule
Follow-up
Results
Discussion

29. Identification and Characterization of the Immunomodulator Fraction from Neem Seed Extract Responsible for Long-term Anti-fertility Activity
Materials and Methods
Results
Conclusion

30. Identification of Effective and Inexpensive Neem (Azadirachta indica A. Juss.) Seed Kernel Extract
Materials and Methods
Seed Collection and Processing
Extraction
Aqueous Extract (AE)
Ethanolic Extract (EtoHE)
Hexane Extract (HE)
Chloroform Extract of DNKP (CHEDK)
Ethanol Soluble (Eto HSHE) and Insoluble (EtoHIHE) Part of Hexane Extract

Extract Yield
Formulation of the Extracts
Rearing Culture of H. armigera
Biological Testing
Oviposition
Ovicidal
Feeding deterrent
Growth and Development
Results
Effect on Oviposition
Effect on Egg Hatching
Effect on Feeding
Effect on Growth and Development
Pupal Mortality and Adult Emergence
Discussion
Effect of oviposition
Effect on Egg Hatching
Effect on Feeding
Effect on Growth and Development of Larvae
Conclusion

31. Field Evaluation of Some Botanical Insecticides Alone and in Combination with Other Insecticides for Management of Bollworm Complex on Cotton
Materials and Methods
Results and Discussion
RD-9 Repelin
Neemark
Ind-Ne
Conclusions

32. Evaluation of Enriched Neem (Azadirachta indica A. Juss.) Seed Extracts against Mango Hoppers, Idioscopus nitidulus Walker and Amritodus atkinsoni Leth.
Materials and Methods
Laboratory Trial
Field trials
Results
Laboratory trials
Field Trials
Evaluation of neem derivatives for control of mango hopper, I. nitidulus
Discussion

33. Potential of Neem in Insect Pest Management in Rice
Introduction
Materials and Methods
Results and Discussion
Effect of Neem Oil on Rice Leaf Folder and Stem Borer
Efficacy of Neem-based Insecticides Against Stem Borer
Effect of Neem-based Insecticides on the Growth and Development of White-backed Planthopper
Combination of Neem-based Products with Synthetic

Insecticides

34. Effect of Neem Kernel Extract and Neem Oil on Nutritive and Reproductive Physiology of Heliothis armigera Hub.
Materials and Methods
Mass Culture and Biological Studies
Preparation of Extracts
Treatment
Quantitative Food Utilization
Efficiency of Digestion
Reproduction Studies
Biochemical Assays
Enzyme Assays
RESULTS
Effects on Reproductive Parameters
Effects on Quantitative Food Utilization
Effects on Efficiency of Digestion and Digestive Enzymes
Effect on Protein, Glycogen, Lipid and Enzyme Profiles in Subsequent Female Moths
Effect on Protein, Glycogen, Lipid and Enzyme Profiles in Subsequent Male Moths
Discussion
Conclusion

35. Bioefficacy of Some Neem Formulations against Spodoptera litura F.
Materials and Methods
Laboratory Tests
Nursery Experiment
Studies on Effect of Repelin B versus Repelin A and NSKS against S. litura on Castor in Laboratory
Studies on Effect of Repelin B Alone and in Combination with Endosulfan against S. litura (1992)
Bio-efficacy of Repelin B and Other New Neem Formulations against S. litura on Tobacco (1992)
Results and Discussion
Laboratory Tests
Nursery Experiments
Effect of Repelin B versus Repelin A and NSKS against S. litura on Castor in Laboratory
Choice Situations
No-choice Situation
Effect of Repelin B alone and in Combination with Endosulfan against Tobacco Caterpillar, s. litura on Tobacco
Bio-efficacy of Repelin B and Other New Neem Formulations against S. litura (1992)
Laboratory tests
No-choice Situation
Nursery Tests

36. Effects of Extracts from Neem on Aphids

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 varies technology books, directory, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureau, consultants and consultancy firms as one of the input in their research.

NIIR PROJECT CONSULTANCY SERVICES , 106-E, Kamla Nagar, New Delhi-110007, India. **Email**: npcs.india@gmail.com **Website**: NIIR.org

Fri, 10 Sep 2010 15:51:45 -0400