Bamboo is an important non wood forest product. In India, bamboo, which is traditionally considered the Poor man wood, and labelled as Green Gold is being considered a major export item by the centre for the global market. Bamboo is perfectly suited to agro forestry as a woody grass. Bamboo has been exploited from natural stands from time immemorial. Bamboo is increasingly being cultivated like other agricultural crops, that is, in professionally managed plantations. The growth of industries utilizing bamboo requires the sustainable cultivation and management of bamboo resources. India is blessed with very rich bamboo resources. Bamboo can play an important role in raising forest cover and a major role in stabilization of the environmental problems. The annual yield in tonnes/ha depends on the environment as well as the species. It is estimated that almost 25% of the biomass in the tropics and 20% in the subtropics, come from bamboo.

The cultivation of bamboo as a wood substitute helps to offset depletion of the rain forest. Its rapid growth ensures an effective reconstruction of damaged eco systems. Bamboo is one of many sustainable non wood resources that can generate income for a large forest dependent rural population and it needs to take further steps to realize its full potential. In India, the North East has the largest stock and diversity of bamboos. Though India has the largest area under bamboo, the yield per hectare is very low compared to other countries. Bamboo plantation rising should be encouraged & promoted due to their high value, productivity, uniformity of crop, choice of species linked to peoples’ need and industrial need. Bamboo forest constitutes about 13% of the total forest area of the country. About 50% of bamboo produced in India grows in North Eastern region and West Bengal. India has the second largest bamboo reserves in the world after China.

This book basically deals with bamboos in India, the bamboo plant harvesting, cultivating, silviculture and management, collection of material and preparation of cuttings treatment for root induction in cuttings, preparation of nursery and planting nursery management transplanting, pattern of biomass allocation in growing bambusa bamboos, biochemical characteristics of plantation bamboo leaf (bambusa bambos) with reference to organic productivity, economic analysis, bamboo plantation, problems and prospects, need for bamboo plantation, consumption pattern of bamboos in India, working and finishing qualities of bamboo, bamboos for structural use, pipe water supply system and drainage, bamboo furniture weaving industry etc.

This book provides a complete detail on Bamboo plantation and its utilization. This book contains chapters like types of bamboo in India, taxonomy, cultivation, harvesting, growth management, bamboo utilization, Bamboo products and many more. This book will be very helpful to all its readers, environmentalists, agronomists, entrepreneurs, industrialists, or anyone with a special interest in bamboo cultivation.

Contents

1. INTRODUCTION
2. DISTRIBUTION OF BAMBOOS IN THE WORLD
Bamboos in Asia
Bangladesh
China
India
Indonesia
Japan
Korea
Loas
Malaysia
Myanmar
Papua New Guinea
Philippines
Singapore
Sri Lanka
Thailand
Vietnam
Africa
America
3. BAMBOOS IN INDIA
Arundinaria Michaux s.s.
Bambusa Schreber
The Chinese Bamboo
Chimonobambusa Makino
Dendrocalamus Nees
Dinochloa Buse
Drepanostachyum Keng
Gigantochloa Kurz
Himalayacalamus Keng
Indocalamus Nakai
Melocanna Trin.
Ochlandra Thw.
Oxytenanthera Munro
Phyllostachys Sieb. and Zucc.
Pleioblastus Nakai
Pseudosasa Nakai
Pseudoxyenanthera Soderstrom and Ellis
Schizostachyum Nees
Semiarundinaria Makino
Sinarundinaria Nakai
Sinobambusa Makino
Thamnocalamus Munro
Thrysostachys Gamble
4. THE ENVIRONMENT
The Bamboo Plant
Culm
Rhizome
Flower
Flowering
5. CULTIVATION
Soil
Preparation for Plantations
Fertilizers
Regeneration
Propagation
Silviculture and Management
6. HARVESTING
Yield
Production
7. TAXONOMY
8. ECOLOGICAL REQUIREMENTS
9. GROWTH CHARACTERISTICS
Development of Bud
Clump and Culms
Rhizomes
Flowering
In Vitro Flowering of Bamboo
10. ESTABLISHMENT AND MANAGEMENT
Direct Sowing of Seeds
Seed Characters
Direct Sowing
Transplanting
By Culm With Roots and Rhizome
By Stock With Roots and Rhizome
By Rhizome With Roots
By Offset Planting
By Culm Cutting
Collection of Material and Preparation of Cuttings
Treatment for Root Induction in Cuttings
Preparation of Nursery and Planting
Nursery Management
Transplanting
Precautions
By Branch Cuttings
By Tissue Culture and Macroproliferation
Tissue Culture of Bamboo
Collection of the Bud Materials
Sterilisation of Explants
Preparation of Media
Sub Culture
Rooting and Outplanting
Transplanting
Production of Culms
Macroproliferation
Season of Planting
Number Under Planting
Method of Planting
Guidelines for Management
11. GROWTH AND DEVELOPMENT
Growth of Seedlings
Development of Rhizome
Culm Growth and Development
Annual Recruitment of Culms
Culm Height and Diameter
Monthly Recruitment of Culm
Daily Height Growth
Pattern of Biomass Allocation in Growing Bambusa Bambos

12. BIOMASS AND YIELD
Biomass Production
Total Biomass
Below Ground and Above Ground Ratio
Biochemical Characteristics of Plantation Bamboo Leaf (Bambusa Bambos) With Reference to Organic Productivity
Economic Analysis
Bambusa Bambos
Dendrocalamus Strictus
Expenditure
Income

13. CYCLE AND FERTILIZER APPLICATION
Felling Cycle
Fertilizer Application
Three Elements (Nitrogen, Phosphorus and Potassium)
Amount of the Three Elements to be Applied
Effect of the Various Kind of Nitrogen Fertilizers
Other Elements (Silicate)
Season of Fertilizer Application

14. INTRODUCTION IN SOCIAL FORESTRY
Strip Plantation
Community Forestry/Programme
Degree of Local Participation
Local Institutions
Land Allocation
Procedure of Working
Requirements/Rule of Working
Resource Sharing
Monitoring of Works
Limitations
The Problem of Land Use Conflicts
Lack of Identity of Interests
Scope for Community Forestry
Agroforestry Plantation
Bamboo with Horticulture Crops
Rehabilitation of Degraded Forest
Afforestation
Reclamation of Wastelands

15. NEED FOR BAMBOO PLANTATION
Present State of Pulp and Paper Industries
Raw Material
Raw Material Status
Guidelines for Raising Bamboo Plantation
Preparation of Nursery and Planting
Transplantation
Production of Culms
Research Work on Selecting Bamboo Species for Paper-making
Comparison of Pulp and Paper Making Characteristics of Plantation Bamboo with some Tree Species
Establishment of a Bamboo Plantation by Paper Industry Bamboo

16. BAMBOO PLANTATION—PROBLEMS AND PROSPECTS
Cultivation Techniques
Projection of Culms
Problems of Cultivation
Seed Collection
Vegetative Propagation
Soil Moisture Conservation
Plant Protection
Weeds
Grazing and Fire
Clump Congestion
Socio-economic Constraints
Prospects of Bamboo Cultivation
Economic Analysis
Employment Generation
17. UTILIZATION
Consumption Pattern of Bamboos in India
Other Recent Uses
Bamboo Parquet (Block Flooring)
Laminated Bamboo
Bamboo Strip for Air Craft
Bamboo - Reinforced Concrete
Artificially - Shaped Bamboo
Bamboo, New Raw Material for Phytoserol
18. MASS PROPAGATION
Materials and Methods
Results and Discussions
19. NON-LINEAR MODELS IN BAMBOO SEEDLINGS
Materials and Methods
Results and Discussion
Conclusion
20. PROPERTIES AND PRESERVATION
Natural Durability of Bamboo
Preservative Treatment of Harvested Bamboos
Prophylactic Treatment of Bamboos during Storage
Drying or Curing and Seasoning
21. BAMBOO AND ITS USES
Bamboo Shoots
Seeds
Leaves
Fruits
Rhizomes
Banslochan, Tabashir or Tabasheer
Culms
Working and Finishing Qualities of Bamboo
Bamboos for Structural Use
Pipe Water Supply System and Drainage
Bamboo Furniture
Weaving Industry
Bamboo Board
Bamboo Reinforcement in Concrete
Bamboo-reinforced Mud Walls
Light Bamboo Wall
Paper Pulp
Rayon Pulp
Bamboo as Fuel
Bamboo as Charcoal
Conservation of Soil
Bamboo as a Saviour of Environment
Phytoremediation of Polluted Environment
A Renewable Resource for Agro-forestry Production
Bamboos as Ornament
Artificially Shaped Bamboo
Bamboo for Alleviation of Poverty
Women Empowerment
Potential in India

22. BAMBOO CUISINE
Sungsi
Sayur Rebung
Garang Asam
Gulai Manis Rebung
Gulai Rebung Masam
Gulai Rebung Teri Basah
Beko

23. GROWTH YIELD AND ECONOMICS
Productivity
Demand and Supply Position
Market
Price-Trend
Employment Generation
Economic Analysis
Resource Survey
Trade
Socio-economics

24. BAMBOO PRODUCTS
Strength Properties and Other Parameters
Characteristic Uses
Seasoning of Bamboo
Seasoning Behaviour of Round Bamboo
Air Seasoning
Kiln Seasoning
Chemical Seasoning
Shrinkage Behaviour of Round Bamboo
Inter Section Point (I.S.P.)
Electrical Resistance of Bamboo
Preservation of Bamboo
Preservative Treatment of Bamboos
Methods of Treatment of Bamboos
Treatment of Dry Bamboos
Treatment of Green Bamboos
Performance of Treated Bamboos
Specialised Technological Uses of Bamboo
Building Boards from Bamboo
Properties of the Boards
Packaging Purpose Boxes
Structural Applications of Bamboo
Technology of Bamboo constructions and Erection Aspects
Erection of Truss

NIIR Project Consultancy Services (NPCS) 6/9
25. CHEMICAL ANALYSIS OF BAMBOO TISSUES
   Experimental

26. OPTIMUM DIGESTION CONDITIONS FOR PRODUCTION OF STRONG BAMBOO PULPS—A PRELIMINARY STUDY
   Experimental Procedure
   Results
   Conclusion

27. ANATOMICAL FEATURES OF BAMBOO USED FOR PAPER MANUFACTURE
   Growth of Bamboo Culm
   Structural Topography of Internode

28. STUDIES ON COLOUR REVERSION OF BAMBOO PULP BLEACHED WITH C-E-H SEQUENCE
   Introduction
   Literature Review
   Experimental
   Set 1- Effect of Delignification
   Set 2 – Effect of Over and Underchlorination
   Set 3 – Effect of Alkali Charge in Alkali Extraction
   Set 4 – Effect of Temperature in Alkali Extraction
   Set 5 – Effect of Hypochlorite Charge in Hypo Stage
   Set 6- Effect of pH (Buffer) in Hypo Stage
   Set 7 – Effect of Temperature in Hypo Stage
   Observations and Discussion
   Conclusion

29. EFFECT OF BEATING ON THE CELL MECHANICS OF THE INDIVIDUAL BAMBOO FIBRE
   Elementary Fibril
   Cell Wall Mechanics of Wood Fibres
   Cell Wall Structure
   Force Distribution Across the Cell Wall
   Internal Fibrillation
   External Fibrillation
   Bamboo Fibres

30. STUDIES ON THE FINES OF BAMBOO PULP
   Experimental
   Fractionation of Pulp
   Isolation of Fines
   Chemical Composition of Fines & Coarse Fractions
   Evaluation of Whole Pulp and Fractionated Pulp in Valley Beater
   Evaluation of Recombined Pulps
   Discussion of Results
   Fractionation of Pulp
   Chemical Composition of Fines and Coarse Fibre Fractions
   Influence of Fines on Some Pulp and Sheet Properties
   Properties of Recombined Pulps
   Conclusions

31. PULP AND PAPER MANUFACTURE
   Chemistry and Morphology
   Hemicelluloses
   Fibre Morphology
   Proximate Chemical Composition
Chemical Pulping
First Stage Digestion
Bleaching of Chemical Pulps
High Yield Pulping
Bleaching of High Yield Pulps
Rayon Grade Pulp
Fibre Morphology and Sheet Properties
Beating Characteristics
Decay on Storage and Its Effect on Pulp Properties
Industrial Experiences on Paper Making From Bamboo
32. PESTS OF BAMBOO
Seed Pests
Control
Nursery Pests
Termites
Control Measures
Plantation and Natural Stands of Bamboos
Culm and Shoot Borers
Defoliators
Witches Broom
Sap Suckers
Felled and Stored Bamboos
Termites
Protection Strategies
Protection of Bamboo Seeds
Nursery Pests
Plantations and Natural Stands
(a) Defoliators
(b) Sap Suckers
(c) Culm and Shoot Borers
Felled and Dried Bamboos
33. DISEASES AND DECAY OF BAMBOO
Microflora of Stored Bamboo Seeds
Nursery Diseases
Damping-off
Foliage Diseases
Witches’ Broom
Diseases of Bamboo in Plantations and Natural Forests
Bamboo Blight
Rhizome Bud Rot
Rhizome Rot
Basal Culm Rot
Culm Rot
Culm Sheath Rot
Rhizome and Root Rot
Stem Infection
Foliage Infection
Decay in Bamboo
34. ASSOCIATIONS AND INSTITUTIONS
The Forest Research Institute, Dehra Dun
The State Forest Research Institutes (SFRIs)
Support to Craft and Artisan Related Activities: Training, Extension and Marketing
Industry and Related Applications
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