

The Complete Book on Cashew (Cultivation, Processing & By-Products)

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Cashew, scientifically known as *Anacardium occidentale*, is a unique nut with a fascinating story. This tropical nut is native to Northeastern Brazil but is now widely cultivated in countries like India, Vietnam, and Nigeria. The cashew tree thrives in warm and humid climates, with sandy soil being its preferred growing medium. The cashew nuts are located at the end of a kidney-shaped drupe called the cashew apple. This drupe contains a highly toxic substance known as urushiol, which can cause severe skin irritation. Farmers must take great care to protect themselves during the harvesting process. Processing raw cashews involves several techniques and tools to transform the nuts into the delicious snack all love. Once the cashews are harvested and separated from the cashew apple and kernel, they go through a series of steps to remove any impurities and enhance their flavor.

The global cashew market size reached US\$ 7.2 Billion. The market to reach US\$ 9.3 Billion, exhibiting a growth rate (CAGR) of 4.14%. Cashews are kidney-shaped nuts that are a good source of protein and minerals. They are low in sugar and rich in oil, fiber, protein, healthy fats, antioxidants, magnesium, zinc, copper, and phosphorus. Cashews are commonly available in whole, roasted, and split form. They are obtained from fruit-producing trees and grow near the sea areas and are widely used in beverages, dairy products, cereals, bars, cosmetics, and bakery products.

The book covers a variety of topics related to Organic farming, Cashew Processing, Production of CNSL Derivatives, Quality control of cashew kernels, Cashew Liquid, Purification of Cashew Nut Shell, additives from cashew nut shell liquid, Honey coated nuts, Volatile nut aroma and flavour compositions, producing cardanol, Bisphenol Compounds, Hydrophobically Modified Poly(acrylic acid) [PAA], Heat-curable epoxy resin composition, Adhesives for car body assembly, Preparation of Flavour or Fragrance Microcapsules and Silane-Modified Phenolic Resins.

A thorough guide on Cashew manufacture and entrepreneurship. This book is a one-stop shop for everything you need to know about the Cashew, which is ripe with opportunity for producers, merchants, and entrepreneurs. This is the only book that covers the process of making commercial Cashew (Cultivation, Processing & By-Products). From concept through equipment procurement, it is a veritable feast of how-to information.

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2. Indian cashew - The Government initiatives
3. Cashew Development in India
4. Agro-ecological regions and classification of cashew
5. Morphology and Characteristics of growth and development of cashew tree
6. Improved productivity of cashew through soil and nutrient management
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- 8 . Improvement: Breeding, Germplasm, Selection and hybridization
- 9 . Diseases of Cashew
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11. Cultivation
12. Planning for improved productivity through efficient water management
13. Organic farming in cashew
14. Traditional Method of Cashew Processing
15. Cashew Processing Operation
16. Production of CNSL Derivatives
 - Rubber like elasticity products
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 - Cating Composition from CNSL
 - Polymerization of CNSL
 - Polymerized ethers of CNSL
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- Products of anacardic materials using sulfonic acid catalysts
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- Epoxy modified CNSL
- Anacardic acid treated with TRIS (Hydroxyethyl Isocyanurate)
- Rust inhibitor from CNSL
- Project Report of Anti-Corrosive Point from CNSL
- Eco-friendly management of water hyacinth with a mycoherbicide with CNSL
- Multifunctional alcohol obtained from CNSL
- Design and Development of soft nano materials from CNSL
- Cashew to play role in nano technology
17. Quality control of cashew kernels
18. Commercial exploitation of cashew apples
- Infestation
- Hygiene and Safety
- Food hygiene and law

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Personal hygiene
Cleanliness of equipment and working area
Other sources of contamination
Packaging and Preservation
Uses of cashew
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List of cashew manufacturers/Suppliers of Machinery
Cashew Research Organisations
Cashew Regional Nurseries in Public Sector areas
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Major processors and exporters of cashew
Internet sites
19. CASHEW LIQUID: Development of a Cashew
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20. The Potential of CNSL in Fuel Blends for Engines
21. Process of Purification of Cashew Nut Shell

Liquid(CNSL) for Isolation of Cardanol
22. Evaluation of Copperised Cashew Nut Shell Liquid
and Neem Oil as Wood Preservatives
23. Utilisation of Cashew Nut Shell Liquid from
Anacardium occidentale as Starting Material
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24. Edge Retentive and Solvent Free Coating Based
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39. Hydrophobic Polyols of Low Viscosity
40. Preparation of Flavour or Fragrance Microcapsules
41. Silane-Modified Phenolic Resins

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