

Neem Oil, Margosa Oil, Azadirachta indica - Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost

Description:

Azadirachta indica (Neem) tree belongs to the Meliaceae family. It is a multipurpose and an evergreen tree, 12–18 m tall, which can grow in almost all kinds of soil including clay, saline, alkaline, dry, stony, shallow soils and even on solid having high calcareous soil. It is native to India, Pakistan, Sri Lanka, Burma, Malaya, Indonesia, Japan, and the tropical regions of Australia. It thrives well in arid and semi-arid climate with maximum shade temperature as high as 49°C and the rainfall is as low as 250 mm. It can be raised by directly sowing its seed or by transplanting nursery-raised seedlings in monsoon rains. It reaches maximum productivity after 15 years and has a life span of 150–200 years. Planting is usually done at a density of 400 plants per hectare. The productivity of Neem oil mainly varies from 2 to 4 t/ha/yr and a mature Neem tree produces 30–50 kg fruit. The seed of the fruit contains 20–30 wt% oil and kernels contain 40–50% of an acrid green to brown colored oil.

Neem is an omnipotent tree and a sacred gift of nature. Neem tree is mainly cultivated in the Indian subcontinent. Neem is a member of the mahogany family, Meliaceae. Today it is known by the botanical name *Azadirachta indica* (*A. indica*) A. Juss. Neem has been used extensively by humankind to treat various ailments before the availability of written records which recorded the beginning of history. Since prehistoric times, neem has been used by humankind.

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Keywords: Neem Oil, Margosa Oil, Azadirachta indica, Neem Oil Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule, Working Capital Requirement, plant layout, process flow sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

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