

#### Cultivation, Processing & Uses of

Jatropha (Bio-Diesel) with Ashwagandha,

#### Stevia, Brahmi & Jatamansi Herbs

(Jatropha, Bio Diesel, Stevia, Ashwagandha, Brahmi, Jatamansi, Safed Musli, Sarpagandha, Shatavari, Senna, Business Opportunities, Shelf Life, Cultivation)



#### **Introduction**

Jatropha is a genus of flowering plants in the spurge family, Euphorbiaceae. Another common name is nettles purge. It contains approximately 170 species of succulent plants, shrubs and trees (some are deciduous, like Jatropha curcas). Most of these are native to the Americas, with 66 species found in the Old World. Plants produce separate male and female flowers.



As with many members of the family Euphorbiaceae, Jatropha contains compounds that are highly toxic. Jatropha species have traditionally been used in basket making, tanning and dye production. In the 2000s, one species, Jatropha curcas, generated interest as an oil crop for biodiesel production.



Ashwagandha (also called as, Indian Ginseng), Stevia a natural non caloric sweetener, Brahmi (brain tonic) and Jatamansi are the important herbs which have very good medicinal values. Ashwagandha increases the count of white blood cells and prepares the body to produce antigens against various infections and allergies. It is also considered as a tonic for the heart and lungs as its regular intake controls the blood pressure and regulates the heartbeat. It has a strong nourishing and protective effect on the nervous system.



Ashwagandha has been used as a sedative, a diuretic, a rejuvenating tonic, an anti-inflammatory agent, aphrodisiac and an immune booster. It is especially beneficial in stress related disorders such as arthritis, hypertension, diabetes, general debility, etc. It has also shown impressive results when used as stimulants for the immune system. It is considered as an adaptogen that stimulates the immune system and improves the memory. Stevia also known as the sweet leaf which is an all-natural sweetener, derived from a plant called stevia rebaudiana.



It has no calories, no carbohydrates, and it has a glycemic index of zero, which makes it the sweetener of choice for many diabetics all over the world. The herbs are carefully nurtured and harvested at only certain times of the year. Stevia comes in many forms; stevia supreme, stevita ultimate stevia, stevita liquid stevia, fruit flavoured stevia and many more. Brahmi is used as an herbal brain tonic, to rejuvenate the body, as a promoter of memory and as a nerve tonic. It improves memory and helps overcome the negative effects of stress. It is unique in its ability to invigorate mental processes whilst reducing the effects of stress and nervous anxiety.



Brahmi induces a sense of calm and peace. Brahmi has gain worldwide fame as a memory booster and mind alertness promoter. Jatamansi has the power to promote awareness and calm the mind. It is a very useful herb for palpitation, tension, headaches, and restlessness and is used for promoting awareness and strengthening the mind. It aids in balancing the body of all three Ayurvedic doshas.



This herbs sedative properties increase awareness, as opposed to valerian that dulls the mind. Aromatic, antispasmodic, diuretic, emmenagogue, nervine, tonic, carminative, deobstruent, digestive stimulant, reproductive some of the properties of Jatamansi herb.



#### **Market Outlook**

India's biofuel policy is mostly confined to Jatropha based biodiesel, as the demand for diesel in India is five times more than the demand for petrol. The policy seeks to increase the demand for biodiesel to 16.72 million tons by 2017 and encourages 20% blending of biodiesel with other fuels. This is a major challenge as Jatropha is anew perennial crop for the farmers, who see considerable risk and uncertainty in its production, profitability and employment generation.



The present study tries to investigate the supply chain network and related problems of the biodiesel industry in North East India. The Jatropha based biodiesel supply chain includes stages like feedstock production.



## Projected Share of Jatropha Biodiesel in Total Biodiesel Production

Year	Total Projected	Total Biodiesel	% of Biodiesel
	Supply of Jatropha	Production (MMT)	Supplied by
	(MMT)		Jatropha
2009	0.5	16.9	3.0
2010	2.1	20.2	10.4
2012	6.5	29.2	22.3
2015	15.5	50.3	30.8



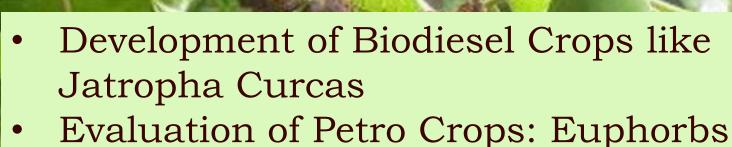
The global stevia market is projected to multiply at a CAGR of nearly 9% during the forecast period. The global stevia market is expected to reach USD 556.7 million by 2024.



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#### **Tags**

Jatropha Cultivation, Jatropha Plantation, Jatropha Biodiesel in India, Cultivation and Use of Jatropha for Bio-Diesel, Jatropha Cultivation in India, Jatropha Plantation Business Plan, Jatropha Cultivation for Profit, Cultivation of Jatropha Curcas, Jatropha Curcas Plant, Jatropha Cultivation for Biodiesel, Jatropha Cultivation and Oil Production, Commercial Cultivation of Jatropha, Jatropha Plantation for Biodiesel Production, Biodiesel (Biofuel) from Jatropha Plant, Biodiesel and Jatropha Cultivation, Jatropha Biodiesel Business Plan, Jatropha Plantation Business Plan, Jatropha Plantation Business Plan in India, Jatropha Farming, Business Plan on Jatropha Curcas, Most Profitable Agriculture Business Ideas, Jatropha Farming, Production of Biodiesel From Jatropha Oil, Biodiesel Production from Jatropha Oil, Jatropha Biodiesel Production Process, Jatropha Biodiesel Production, Biodiesel From Jatropha Plant, Jatropha Biodiesel Production in India, Jatropha Biodiesel Business Plan, Processing of Jatropha Curcas, Manufacture of Biodiesel from Jatropha Oil, Biodiesel Production in India, Biodiesel Production, Purification of Plant Oil, Stevia Plant Farming, How to Grow Stevia, Sweet Herb Stevia Cultivation, Stevia Cultivation in India, Stevia Faming in India, Stevia Herb Plant Cultivation, Growing Stevia Plant, Stevia Plant Growing, Processing of Stevia, Stevia Cultivation and Extraction Process, How to Grow Stevia Herb Plant, Growing Stevia in Home Garden, Ashwagandha Cultivation, Small Scale Industries in India, Stevia Cultivation Based Small Business Ideas in India, Small Scale Industry You Can Start on Your Own, Business Plan for Small Scale Industries, Set Up Jatropha Cultivation, Profitable Small Scale Manufacturing,



#### **Tags**

How to Grow Ashwagandha, Cultivation and Growing Ashwagandha, Guide to Growing Ashwagandha, Cultivation of Ashwagandha, Growing Ashwagandha, Ashwagandha Cultivation Guide, Opportunities in Cultivation of Ashwagandha, Ashwagandha Farming Business Plan, Medicinal Plant Ashwagandha, How to Plant Ashwagandha, Ashwagandha Cultivation for Profit, Chemical Constituents of Ashwagandha, Brahmi Cultivation, How to Grow Brahmi Plant, Brahmi Medicinal Plant Cultivation, Harvesting Brahmi, Brahmi Plant Farming, Cultivation of The Brahmi Plant, Growing Bacopa (Brahmi), Bacopa Monnieri Brahmi Cultivation, Brahmi Plant Cultivation, Growing Brahmi (Bacopa Monnieri), Ways to Grow Bacopa Plants, Cultivation of Medicinal Plants in India, Ayurvedic Plantation Business, How to Start Brahmi Growing Business, How to Grow Safed Musli (Chlorophytum Borivilianum), Safed Musli Cultivation, Safed Musli Farming, Safed Musli Cultivation and Processing, Safed Musli Business Plan, Safed Musli Farming Business Plan, Sarpgandha Cultivation, Sarpagandha Cultivation Business Plan, Sarpagandha Farming, Cultivation of Sarpagandha, Cultivation of Rauvolfia Serpentina, Rauvolfia Serpentina Cultivation in India, Post Harvest Management of Sarpagandha, Commercial Sarpagandha Farming, Cultivation of Senna, Processing of Senna, Senna Cultivation in India, How to Start Small Business in India, Free Manufacturing Business Plans, Small and Medium Scale Manufacturing, Profitable Small Business Industries Ideas, Business Ideas for Startup



#### **Tags**

Cultivation and Processing of Senna, Process for Grow Senna, How to Start Senna Growing Business, Cultivation of Senna in India, Asparagus (Shatavari) Cultivation, Shatavari Cultivation, Shatavari Farming, Shatavari Farming in India, Shatavari Cultivation in India, How to Grow Asparagus (Shatavari), Shatavari Plant in India, Shatavari Farming Business Plan, Npcs, Niir, Process Technology Books, Business Consultancy, Business Consultant, Project Identification and Selection, Preparation of Project Profiles, Startup, Business Guidance, Business Guidance to Clients, Startup Project, Startup Ideas, Project for Startups, Startup Project Plan, Business Start-Up, Business Plan for Startup Business, Great Opportunity for Startup, Small Start-Up Business Project, Best Small and Cottage Scale Industries, Startup India, Stand Up India, Small Scale Industries, New Small Scale Ideas for Stevia Cultivation, Safed Musli Cultivation Ideas You Can Start on Your Own, Small Scale Sarpagandha Cultivation, Guide to Starting and Operating Small Business, Business Ideas for Sarpagandha Farming, How to Start Jatropha Cultivation, Starting Brahmi Cultivation, Start Your Own Ashwagandha Cultivation, Shatavari Cultivation Business Plan, Business Plan for Ashwagandha Cultivation,



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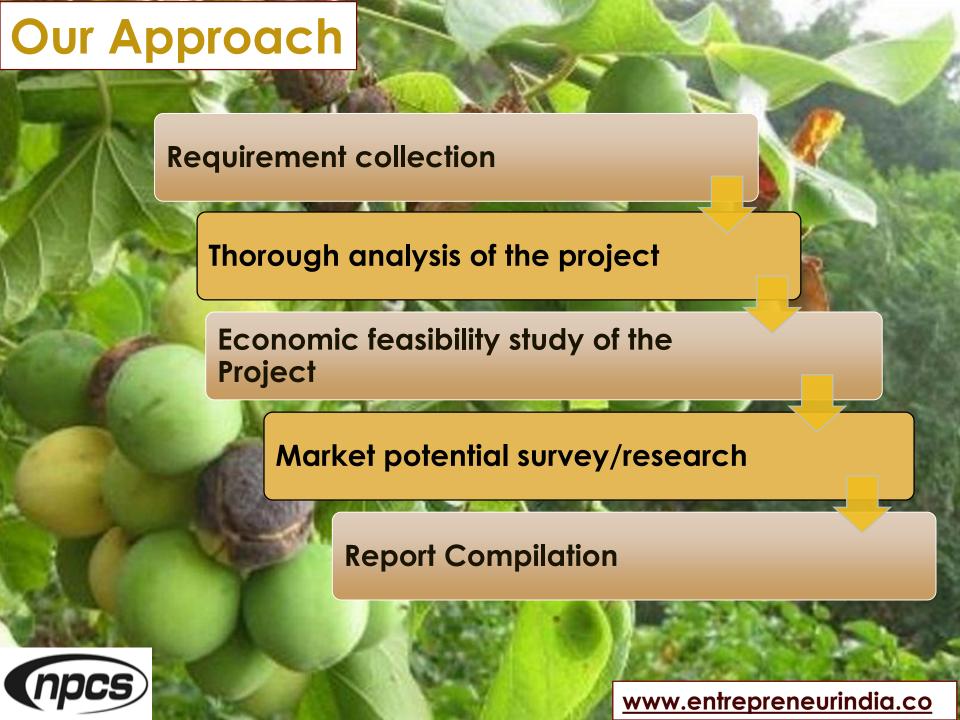
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