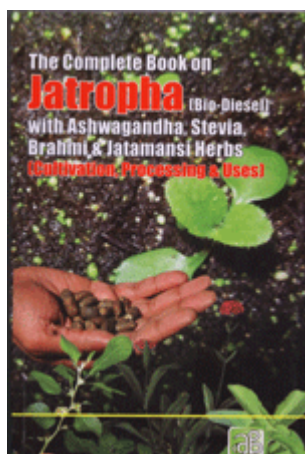


The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses)



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Jatropha proves to be a promising Biofuel plantation and could emerge as a major alternative to diesel thus reducing our dependence on oil imports and saving the precious Foreign Exchange besides providing the much needed energy security. Jatropha oil displacing conventional fossil fuel makes the related project fully eligible. The Jatropha plantation primarily focuses cultivated green biodiesel as an alternate source of fuels that can propel engines, generators and transportation as well as power generation in the future and replace existing sources. The main factor that makes the major difference is the cost of the bio fuel that it can be made cheaper than the petro diesel and on a long term basis without affecting the operational economics. 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 a 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, restlessness and is used for

promoting awareness and strengthening the mind. It aids in balancing the body of all three Ayurvedic doshas. This herb's 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.

This book describes about the medical properties, important uses and applications, cultivation, chemical constituents, harvesting and post harvesting, yield and other properties of herbs like safed mulsi, brahmi, jatamansi, ashwagandha, senna, shatavari and more. This book also deals with biodiesel, biofuel and petro crops : an alternative to conventional fuels, the potential of jatropha curcas in rural development and environment protection, prospects of expanding market for use of jatropha oil, jatropha: potential as insecticide/pesticide etc.

The present system of medicine is gradually gaining popularity mainly because of less or no toxic or side effects of herbal drugs. So, these herbs have very good future prospects globally. This book contains cultivation, processing and uses of Jatropha, Ashwagandha (*Withania somnifera*), Stevia rebaudiana, Brahmi (*Bacopa monnieri*) and Jatamansi (*Nardostachys Jatmansii* DC.). This book will prove to be an invaluable resource for researchers, technocrats, agriculturist, agriculture universities etc.

Contents

1. BIO DIESEL - JATROPHA CURCAS

Business Opportunities

2. BIODIESEL, BIOFUEL AND PETRO CROPS : AN ALTERNATIVE TO CONVENTIONAL FUELS

Introduction

Background

R&D Program and Major Achievements

Development of Biodiesel Crops like Jatropha Curcas

Evaluation of Petro Crops: Euphorbs

Evaluation and Improvement of Guayule (*Parthenium Argentatum*)

3. LIST OF IMPORTANT GOVERNMENT AND PRIVATE INSTITUTE/SCIENTIST ENGAGED IN RESEARCH AND DEVELOPMENT OF JATROPHA

4. TREE DESCRIPTION

Leaves

Flowers

Fruits

Seeds

Roots

5. THE POTENTIAL OF JATROPHA CURCAS IN RURAL DEVELOPMENT AND ENVIRONMENT PROTECTION

Introduction

Objectives of the Workshop

Production of Jatropha curcas

Jatropha curcas as an Energy Source

Other products of Jatropha curcas

Costs and Returns

Expected Output

6. JATROPHA : THE WONDER OIL BEARING TREE!

Introduction

Botanical Features

Ecological Requirement

Interesting History and Future of the Plant

Uses of *Jatropha curcas*

Jatropha : As ornamental Plant

Jatropha: As a fence

Jatropha curcas: As a potential oil crop

Jatropha oil: As raw material for industrial use

Jatropha: Potential as medicinal plant

Jatropha bark: As raw material for dye

Jatropha- For enrichment of soil

Jatropha: As potential feed stoke

Jatropha: Potential as insecticide/pesticide

Jatropha: As non conventional energy crop

Jatropha: As profitable agro forestry crop

Cultivation

Soils

Climates requirements

Spacing and seeds rate

Propagation

Inter-Cultivation

Irrigation

Expected Yield

Prospects of expanding market for use of *Jatropha* oil

Jatropha oil as an alternative to diesel

Diesel engine test for *Jatropha* oil

Jatropha oil; as alternative to kerosene as fuel

7. BIO DIESEL

What is Bio Diesel?

This fuel is called Bio-Diesel

The Advantages of Bio Diesel

The Process

The Technology

The Cost

International Laws and regulation

Biodiesel Scenario In India

Bio Diesel Experiments

Conclusion

8. GUJARAT OLEO CHEM TO EXPAND BIO-DIESEL PRODUCTION CAPACITY

Up to promote *Jatropha* seed oil farming

9. JATROPHA: THE BIO-FUEL PLANT

Introduction

Uses

Leaves, Bark & Roots

Seeds & Oil

Folk Remedies

Bio-Fuel

General Cultivation

Origin and Distribution
Cultivation
Description of the plant
Description of the species
Varieties
Seed rate and spacing
Field preparation and Planting
Inter-cultivations
Plant Protection
Jatropha Oil
Harvesting and yield
Post harvest processing
Project Profile

10. TRANS-ESTRIFICATION BIODIESEL PROCESS

Ingredients
Manufacturing Process
Process in Detail
Quantity of methanol to be used
Glycerine

11. CENTRE FOR JATROPHA PROMOTION: GROWING DIESEL FUEL PLANT: CULTIVATION FOR BIO DIESEL PRODUCTION

Breaking the cycle of poverty
Can diesel be "cultivated"?

12. BIODIESEL IN INDIA

Field Trials of Biodiesel
Economics of Jatropha Biodiesel
Target of biodiesel production
Raw Material (Jatropha curcas seed and oil)
Biodiesel Work in India
Work-Done In India
Indian Railways

13. OIL EXTRACTION - OIL EXPELLERS FOR JATROPHA SEEDS

14. BIODIESEL PROJECT 10 KI PER DAY

Introduction
Product Description and Uses
How is Biodiesel made?
Biodiesel Benefits
Description
Applications
Standards
Transport information
Personal protection
Consumer Safety
Alternative Fuels Incentives and Laws
Market Survey and Demand Supply Position
Raw Materials and Suppliers
Manufacturing Process Description
Project Implementation Schedule

Power Requirement
Utilities Specifications
Market and Selling Arrangements
Salient Features and Project Highlights
Basis and Presumptions
Manpower and Organization

15. PLANT OF 1000 LITERS PER DAY

Background
Description
Brief Process Description
Plant of 1000 liters per hour. (24 Kilo Liters per day)
Commercial Conditions
Oil Expeller Manufacturers

16. EQUIPMENT FOR DECENTRALISED COLD PRESSING OF OIL SEEDS

Introduction
General advice for a complete oil mill
Influences on product quality in decentralised oil mills
Pre-treatment of the seed
Parameters of the press
Examples of a complete oil mill
Oil seed expeller
Equipment for pre-treatment of the seed
Overview manufactures of cold pressing oil expeller
Oil expeller manufactures
Purification of plant-oil
Filter equipment manufactures
Standardisation of cold pressed Rape Seed Oil
Fuel for Plant Oil Adapted Diesel Engines

17. Stevia

Shelf Life
Botanical Trait and Constituent
History
Application and Benefits
Growing Stevia in Home Garden
Process for Extraction and Grades
Sweetvia Produced by Stevia Co.inc., USA
Liquid Concentrates
Grades Internationally Available
Safety
Regulations
FDA, USA Investigation on Stevia
Important Players
Global Scenario
Economics
Recommendation
Artificial Sweeteners Scenario
Acesulfame K
Aspartame
Sucralose

Xylito

18. ASHWAGANDHA

Introduction

Folklore Uses of Ashwagandha (*Withania somnifera*)

Ashwagandha in Vedas

Cultivation

Agronomical perspectives

Genetics and Crop Improvement

Physiological Manipulations

Cell and Tissue Culturing

Genetic engineering

Chemical Constituents of Ashwagandha (*W. somnifera*)

Pharmacognosy

Root

Leaf

Stem

Floral Parts

Histology of Floral Parts

Corolla

Androecium

Gynoecium

Fruit

Seed

Embryology

Seedling anatomy

Concluding Remarks

International Occurrence

Concluding Remarks

19. BRAHMI

Regional Names

Medicinal Properties & Uses

Cultivation & Propagation

Soil and Climate

Land Preparation

Transplanting

Manure/Fertilizer

Irrigation

Weeding

Harvesting/Post-harvesting

Chemical Constituents

Major Constituents

Other Constituents

Active Constituents

Analytical Profile

Bacoside A Solution

Calibration Curve

Test Solution

Procedure

Yield

Substitute/Adulterants

Home Remedy

Dose
Important Formulation

20. JATAMANSI

Regional Names
Distribution
Medicinal Properties & Uses
Cultivation
Soil and Climate
Nursery raising and Planting
Manure/Fertilizer
Irrigation and Weed Control
Harvesting/Post-harvesting
Chemical Constituents
Major Constituents
Other Constituents
Active Constituents
Analytical Profile
Substitute/Adulterants
Home Remedy
Dose
Important Formulation

21. SAFED MUSLI

Regional Names
Distribution
Medicinal Properties & Uses
Cultivation & Propagation
Soil and Climate
Nursery Raising and Planting
Manure/Fertilizer
Irrigation
Weeding
Harvesting/Post-harvesting
Chemical Constituents

Yield

22. SARPAGANDHA

Regional Names
Distribution
Medicinal Properties & Uses
Cultivation & Propagation
Soil and Climate
Nursery Raising & Planting
Manure/Fertilizer
Irrigation
Weeding
Harvesting/Post-harvesting
Chemical Constituents
Major Constituents
Other Constituents

Active Constituents

Yield

Home Remedy

Dose

23. SENNA

Regional Names

Distribution

Medicinal Properties & Uses

Cultivation & Propagation

Soil and Climate

Land Preparation

Nursery Raising and Planting

Thinning and Weeding

Manure/Fertilizer

Irrigation

Harvesting/Post Harvesting Operation

Chemical Constituents

Major Constituents

Other Constituents

Active Constituents

Yield

24. SHATAVARI

Regional Names

Distribution

Medicinal Properties & Uses

Cultivation & Propagation

Soil and Climate

Land Preparation

Nursery Raising and Planting

Weeding

Irrigation

Manure/Fertilizer

Harvesting/Post Harvesting

Chemical Constituents

Major Constituents

Other Constituents

Active Constituents

Analytical Profile

Solvent System

TLC Plates

Derivatization

Scanning

Standard Solution

Sample Preparation

Calibration Curve

Estimation of Shatavarin IV in the drug

Yield

Substitutes/Adulterants

Home Remedy

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