

Manufacture of Pan Masala, Tobacco and Tobacco Products. 2nd Revised Edition

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Manufacture of

Pan Masala, Tobacco and Tobacco Products

(Tobacco Cultivation, Chewing Tobacco, Cigarettes, Bidi, Cigars, Khaini, Zarda, Katha, Mouth Freshener, Pan Chatni, Kimam, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine, Polacrilex Resin)

Tobacco comes from a leafy plant that tends to grow in warm tropical areas. It is famously grown all over the Caribbean, where the warm, sunny conditions make for a perfect growing climate. Tobacco is usually smoked as a nicotinic stimulant and is mostly processed, rolled and dried before being smoked. Different geographies produce different types of the plant. The taste and flavor of the leaves are the characteristic trademarks of different types. The process of curing also determines the type of tobacco.

Tobacco products include cigarettes, cigars, loose pipe tobacco, chewing tobacco and snuff. These products contain the dried, processed leaves of the tobacco plant *nicotiana rustica* or *nicotiana tabacum*. All tobacco contains nicotine, an addictive drug. Today's tobacco also contains thousands of other chemicals designed to make the products more user-friendly and addictive.

Nicotine is a nitrogen-based compound which dissolves in organic compounds. Tobacco leaves contain plenty of nicotine which evaporates on burning. This nitrogen-based compound is addictive in low amounts and toxic in high doses. Nicotine Sulfate is a potent pesticide, known for its high toxicity.

A large proportion of Indian economy is agro based in which Tobacco is one of the principal cash crops. The tobacco production and its allied products' sales in the country have played a prominent role in the development of nation's economy. India is the largest tobacco market in the world in terms of tobacco consumption. The smokeless tobacco has historically been served as a tradition in India for many decades.

Tobacco Waste or dust is generated at various stages of post-harvest processing of tobacco and also while manufacturing various tobacco products mainly during manufacture of tobacco products like cigarette and Beedi. The types of wastes generated during pre and post-harvest practice of tobacco include suckers, stems, mid ribs, leaf waste and dust.

The main contents of the book are Tobacco Cultivation, Tobacco Diseases and Pests, Organic Tobacco Production, Chewing Tobacco, Cigarettes, Bidi, Cigars, Readymade Khaini, Chewing Tobacco (Khaini), Zarda, BIS Specifications, Katha, Mouth Fresheners, Pan Chutney, Pan Masala, Kimam, Tobacco of Various Grade, Sweet Supari, Nicotine Sulphate, USP Nicotine,

Nicotine Tartarate, Nicotine Polacrilex Resin, Smokeless Tobacco (SLT), Hookah, Tobacco Products Manufacturing Processes, E-Liquid (Main Chemicals, Compounds, Components), Additives in Tobacco Products, Additives Products, Packaging & Labeling (Design Trends & Technologies), Plastics in Food Packaging, Packaging Laws and Regulations and Photographs of Machinery with Supplier's Contact Details.

This book is one-stop guide to one of the fastest growing sector of the Pan Masala, Tobacco and Tobacco Products, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on Pan Masala, Tobacco and Tobacco Products. It serves up a feast of how-to information, from concept to purchasing equipment.

1. INTRODUCTION

History of Tobacco

Varieties of Tobacco

Origin and Distribution

Area and Production

Types of Tobacco

Climate and Soil

Tobacco Growing

Nursery Management

Tillage

Topping

Desuckering or Suckering

Ecological Requirement for Tobacco Cultivation

(A) Climatic Requirement for Tobacco Cultivation

(B) Soil Requirement for Tobacco Cultivation

Harvesting of Tobacco

Favoring Leaf Growth

After the Harvest

Curing Tobacco Leaves

Air-cured Tobacco Leaves

Flue-cured Tobacco Leaves

Sun-cured Tobacco Leaves

Fermenting (A.K.A. Sweating) Tobacco Leaves

Stacking

Kiln Fermenting

Methods of Harvesting

Priming

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1. Pests

Tobacco Leaf-Eating Caterpillar

Controls

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Control

3. Aphids

Control

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Sowing the Seeds
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Topping and Suckering
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Natu Tobacco
Lanka Tobacco
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Southern Black Soils (SBS)
Southern Light Soils (SLS)
Northern Light Soils (NLS)
Karnataka
Karnataka Light Soils (KLS)
Ecological Requirement for Tobacco Cultivation
(A) Climatic Requirement for Tobacco Cultivation
(B) Soil Requirement for Tobacco Cultivation
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Viral and Phytoplasma Diseases
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Symptoms

Cause

Comments

Management

Symptoms

Cause

Comments

Management

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Cause

Comments

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Management

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Cause

Comments

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Trichoplusia ni Autographa Californica

Symptoms

Cause

Comments

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Constituents

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Snus

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(i) Khaini

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(l) Maras

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(n) Mishri

(o) Moist Snuff

(p) Naswar

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(r) Red Tooth Powder

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Hose

Body and Gaskets

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Plate

Grommets

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4. Nakhla Double Apple

5. Al Fakher Double Apple

6. Starbuzz Pirates Cave

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Expanded Tobacco Process

Flavor Making

Reconstituted Tobacco Manufacturing

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Main Components

Propylene Glycol (PG) Vegetable Glycerine (VG)

Polyethylene Glycol (PEG)

Propylene Glycol is

Vegetable Glycerin also known as Glycerol - is

Pharmaceutical Grade Glycerine is Named

Glycerine, USP

Composition

Main Components

Main Chemicals, Compounds, Components

Propylene (PG)

Vegetable Glycerin (VG)

Nicotine

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Function of the Additive

Amount of Carob Bean Extract Added to Cigarettes

Pyrolysis and Reaction Products in Cigarette

Smoke

Cellulose Fibre

Function of the Additive

Amount of Cellulose Fibre

Guar Gum

Function of the Additive

Amount of Guar Gum Added to Cigarettes

Pyrolysis and Reaction Products in Cigarette

Smoke

Liquorice

Function of the Additive

Amount of Liquorice Added to Cigarettes

Pyrolysis and Reaction Products in Cigarette

Smoke

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Function of the Additive

Amount of Menthol Added to Cigarettes

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Function of the Additive

Pyrolysis and Reaction Products in Cigarette

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Function of the Additive

Amount of Vanillin Added to Cigarettes

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Automatic Supari Cutting Machine

Supari Chips Cutting Machine Auto Press

Supari Fadcha Machine

Automatic (Heavy Hopper Type) Bulk Supari

Multiple Cutting Machine

Automatic (Hoper Type) Circle, Routh Mamri

Supari Cutting Machine

3" Tobacco Cutting Machine

4.5" Tobacco Cutting Machine

6" Double Tobacco Cutting Machine

9" Double Tobacco Cutting Machine

6 Inch Tobacco Cutting Machine

Protos-M8

Tobacco Recycler

Filter Khani Packing Machine

Filter Snus Tobacco Portion Making Machine

Shisha Tobacco Packing Machine

Automatic Hukkah Pouch Packing Machine

Automatic Cigarette Filling Machine (Ryo-Mini-III)

Full-Automatic Drawing Cigarette Paper Machine

High Speed Gutkha Packing Machine

Tobacco Packing Machine
Supari Cutter
Supari Grader
Supari Polisher
Dynamics 2500 Cigarette Making Machine
Cigarette Making Machine
Mark-9/Max-S Cigarette Maker
Mark8/Max3 Cigarette Maker
Cigarette Making Machine
Semi-Automatic Agro Waste Briquette Making
Machine
Khaini Packing Machine
Khaini Tobacco Packing Machine
Coating Pan Machine

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