



Spice Crops

E. A. Weiss



Spice Crops:

Spice Crops E. A. Weiss, 2002 Many plants have been used for centuries as sources of spices for culinary use Recently there has been an upsurge of interest in diversifying the range of such spices and in their agronomy as alternative crops in both temperate and tropical countries This book provides a scientific review and guide to the botany and agronomy of the major families of plants used for the production of spices Contents include world production and trade and chapters on Cruciferae Lauraceae Leguminosae Piperaceae Solanaceae Umbelliferae Zingiberaceae and Minor crops Cultivation of Spice Crops Azhar Ali Farooqi, B. S. Sreeramu, K. N. Srinivasappa, 2005 Spices constitute an important group of agricultural commodities which since antiquity have been used for flavouring foods Some species are used in the pharmaceutical perfumery cosmetics and related industries and others possess colourant preservative antioxidant antiseptic and antibiotic properties India is one of the leading spice producing and exporting countries in the world In addition large quantities of spices are consumed within the country for seasoning of food and for several other purposes No other country in the world has such a diverse variety of spice crops as India This book reflects the intensive research carried out on this group of 42 spice crops since 1971 The improvement in agro techniques and the release of many high yielding varieties It provides exhaustive information on all aspects of cultivation harvesting and processing of each crop and will be an invaluable aid to students teachers and growers of spice crops both individual and corporate

Plantation and Spices Crops Chadwick Hillam, 2017-10 A plantation is a large scale farm that specializes in cash crops and cultivated on an extensive scale in a large contiguous area owned and managed by an individual or a company The crops include tea coffee rubber cocoa coconut arecanut oil palm palmyrah cashew cinchona etc These plantation crops are high value commercial crops of greater economic importance and play a vital role in a nation economy Probably the single most important factor a plantation has on the local environment is the site where the plantation is established If natural forest is cleared for a planted forest then a reduction in biodiversity and loss of habitat will likely result In some cases their establishment may involve draining wetlands to replace mixed hardwoods that formerly predominated with pine species If a plantation is established on abandoned agricultural land or highly degraded land it can result in an increase in both habitat and biodiversity A planted forest can be profitably established on lands that will not support agriculture or suffer from lack of natural regeneration However the prospects of spice crop production are bright because of its high market demand The most common type of spice crops grown are onion garlic ginger black pepper hot pepper celery shallots leek bay leaf and tanglad Among these crops however only onion garlic ginger black pepper and hot pepper are grown commercially because of their high market demand and usefulness Spices are primarily used as food seasoning In addition to their culinary uses spices are also utilized as flavoring agent in beverages active ingredient in syrubic medicines coloring agent of textiles and an important constituent in cosmetic and perfume products This Book Plantation and Spices Crops presents an overview of the

importance of plantation crops and spice plants as well as the current status of the cultivation of these crops. It covers plant production aspects such as climate and water requirements, planting, fertilizers, irrigation, weeding and hoeing, and harvesting, processing, and pest and disease management. This book is intended for advanced graduate students and practitioners of agriculture and horticulture and those who are involved in the production and promotion of plantation crops, spice plants, and essential oil and medicinal plants.

Handbook of Spices in India: 75 Years of Research and Development P N Ravindran, K Sivaraman, S Devasahayam, K Nirmal Babu, 2024-06-24. This compendium presents comprehensive information on more than 25 important spice crops commercially grown in India and traded globally, apart from over 40 spices that have the potential to be popularized. In 70 chapters, the book covers the achievements in research and development made in India for the past 75 years in various organizations including research institutes, agricultural universities, and private sector laboratories. Spices are natural products of plant origin used primarily for flavouring and seasoning or for adding pungency and flavour to foods and beverages. The flavour and fragrance of Indian spices had a magic spell on human culture since very ancient days. The importance of spices in Indian life and its contribution to the economy are substantial. India, as the world's leading producer of spices, is also a significant stakeholder in spices export trade globally. Indian spices being sources of many high value compounds are also gaining much importance for other diversified uses, especially for their pharmaceutical and nutraceutical properties. A wide variety of 52 spices are grown in India, including black pepper, chillies, cardamom, ginger, turmeric, cinnamon, nutmeg, garlic, onion, cumin, coriander, saffron, and vanilla. This book provides a comprehensive holistic review on the subject, written by the best experts in the field in India, representing diverse agencies. This book is a single point reference book for all those involved in the research, study, teaching, and use of spices in India and abroad.

Handbook on Spices and Condiments (Cultivation, Processing and Extraction) H. Panda, 2010-10-01. The term Spice and Condiments applies to natural plant or vegetable products or mixtures in whole or ground form which are used for imparting flavour, aroma, and piquancy to the food items. Spices and condiments are a major commercial crop in India and earn a major part of foreign exchange annually. They have been the backbone of agricultural industry. The importance of spices and condiments in dietary, medicinal, and other uses and their commercial importance are immense. India is known the world over as the home of spices. Thus, spices are an important group of agricultural goods which are virtually indispensable in the culinary art. Spice processing includes different steps: spice cleaning, spice reconditioning, and spice grinding. Some spices were also used for preserving food like meat for a year or more without refrigeration. In the 16th century, cloves, for instance, were among the spices used to preserve food without refrigeration. Cloves contain a chemical called eugenol that inhibits the growth of bacteria. It is a natural antibiotic. It is still used to preserve food like Virginia Ham. Likewise, later, mustard and ground mustard were also found to have preservative qualities. India alone contributes 25-30% of the total world trade in spices. It may be interesting to note that nine spices, namely, pepper, ginger, clove, cinnamon, cassia, mace, nutmeg, pimento, allspice, and cardamom, alone

contributed as much as 90% of the total world trade Pepper is the most important spice in the world and so also of India This book basically deals with brief history of spices uses of spices world trade in spices area production of spices in India area and production of spices in India major and minor spices of India spice processing quality issues with spices bird chillies and Tabasco chillies basil or sweet basil seasoning blend duplication and tricks sauces and gravies snack seasonings quality issues with spices etc This book is a single compendium which deals with all aspects and facts of spices and condiments which may meet the requirements of all those handling them at various stages from harvesting to their end use This book contains post harvest management the potentials of genetic engineering high production technology in spices with plantation and processing of various spices and condiments such as vanilla turmeric tamarind saffron black pepper onion mint ginger garlic curry leaf coriander etc

Recent Advances in Medicinal, Aromatic, and Spice Crops Syama Prasad Raychaudhuri, 1991

Medicinal Spice and Condiment Crops Azamal Husen, 2024-04-22 Spices are used in small quantities to add flavor aroma color and texture in food preparation However spices and condiments have also been recognized as having medicinal value They have been used traditionally as curative and preventive agents the bioactive compounds obtained from these plants are used in herbal drug formulations in modern times Medicinal Spice and Condiment Crops provides a comprehensive overview on the medicinal properties of spices and condiments with focus on various phytochemicals derived from them

KEY FEATURES Examines spices and condiments with respect to their biology diversity distribution and pharmacological values Explores the scientific validations of the therapeutic potentials of spice and condiment plant species Discusses the bioactive agents involved in alleviating symptoms of cardiovascular disease cancer diabetes ulcers skin disorders and neurodegenerative diseases Explains specific medicinal features of spice and condiment producing plant species inspiring research discovery and safe herbal drug formulation A volume in the Exploring Medicinal Plants series this book is useful for plant scientists economic botanists those who work with herbal and complementary medicine as well as people working in the pharmaceutical industry

Underexploited Spice Crops Amit Baran Sharangi, Pemba H. Bhutia, Akkabathula Chandini Raj, Majjiga Sreenivas, 2018-10-03 Spices provide our food with nutraceutical value rather than actual nutrition But apart from the popular and major spices there are several other spices which in spite of their enormous contribution to human health remain underexploited or underutilized This new volume Underexploited Spice Crops Present Status Agrotechnology and Future Research Directions is a valuable compilation of agrotechniques coupled with background information research works and scientific discussions on these spices It will include in depth narration on underexploited spice crops as products in influencing present day the global export market and the renewed interest in these crops throughout the world The volume deals with the scientific approach of growing underexploited spices with the intention of popularizing them Separate chapters on the importance of each spice methods of growing and harvesting and recent research from around the world along with future strategies are covered

The

Complete Book on Spices & Condiments (with Cultivation, Processing & Uses) 2nd Revised Edition NIIR Board of Consultants & Engineers, 2006-04-01

The term spices and condiments applies to such natural plant or vegetable products and mixtures thereof used in whole or ground form mainly for imparting flavor, aroma and piquancy to foods and also for seasoning of foods, beverages like soups. The great mystery and beauty of spices is their use, blending and ability to change and enhance the character of food. Spices and condiments have a special significance in various ways in human life because of its specific flavours, taste and aroma. Spices and condiments play an important role in the national economies of several spice producing, importing and exporting countries. India is one of the major spice producing and exporting countries. Most of the spices and herbs have active principles in them and development of these through pharmacological and preclinical and clinical screening would mean expansion of considerable opportunities for successful commercialization of the product. Spices can be used to create these health promoting products. The active components in the spices: phthalides, polyacetylenes, phenolic acids, flavanoids, coumarines, triterpenoids, saponins and monoterpenes are powerful tools for promoting physical and emotional wellness. India has been playing a major role in producing and exporting various perennial spices like cardamoms, pepper, vanilla, clove, nutmeg and cinnamon over a wide range of suitable climatic situations. To produce good quality spice products, attention is required not only during cultivation but also at the time of harvesting, processing and storing. Not as large as in the days when next to gold, spices were considered most worth the risk of life and money. The trade is still extensive and the oriental demand is as large as ever. Some of the fundamentals of the book are: definition of spices and condiments, nomenclature or classification of spices and condiments, Indian central spices and cashew nut committee origin, properties and uses of spices, forms, functions and applications of spices, trends in the world of spices, yield and nutrient uptake by some spice crops grown in sodic soil, tissue culture and in vitro conservation of spices, in vitro responses of piper species on activated charcoal supplemented media, soil agro climatic planning for sustainable spices production, potentials of biotechnology in the improvement of spice crops, medicinal applications of spices and herbs, medicinal properties and uses of seed spices, effect of soil solarization on chillies, spice oil and oleoresin from fresh dry spices etc. The present book contains cultivation, processing and uses of various spices and condiments which are well known for their multiple uses in every house all over world. The book is an invaluable resource for new entrepreneurs, agriculturists, agriculture universities and technocrats.

TAGS: How to Process Spice, Ground and Processed Spices, Spice Processing Plant, Spice Processing Machine, Spice Processing, Spices Small Scale Industry, Spices Business Plan, Spice Machinery Plant, How to Start Home Based Spice Business in India, How to Start Spices Business, Starting Spice Business, Start Spice Business in India, Spices Business Plan in India, Masala Business Plan, Masala Business Profitable, How to Start Spices Processing Business, Small Scale Spice Processing, Cultivation of Spices in India, Spice Growing, Spices Farming Profitable, Spices to Grow, Growing Spices, How to Grow Spices, Spice Cultivation, Spices and Condiments Cultivation of Spices, Cultivation of Spice Crops, Spices Grown in India

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Ideas for Startup **Spice Plants** M. Borget,1993 This text covers in detail the botany origins propagation genetic
improvement management and harvesting of a variety of common spice crops Methods of storage preparation and processing
their nutritional properties as well as the variety of uses for spices from flavouring to perfumes are also dealt with

Vegetable and Spice Crop Production in West-Africa Daniel Obeng-Ofori,2007 **South Pacific Perennial Spice Production** Juan T. Carlos,1990 **Simmon's Spice Mill** ,1916 *The Spice Mill* ,1926 *Diseases of Vegetable Ornamental and Spice Crops* S.K. Gupta ,R.C. Sharma,M. Sharma,2017-01-01 The book entitled Diseases of Vegetable Ornamental and Spice crops is specifically prepared for under graduate and post graduate students in Agriculture Horticulture and a range of professionals including teachers researchers extension plant pathologists and commercial farmers This book contains a total of twenty five chapters dealing with important diseases of vegetables ornamentals and spices Each disease entry includes a brief introduction to the disease detailed description of disease symptoms information on the pathogen and disease development and strategies for disease management Disease cycles of important diseases have also been drawn which will help in understanding the perpetuation and spread of the pathogens Coloured photographs of disease symptoms have been included for easy identification of different diseases *The Poona Agricultural College Magazine* ,1929 *The Tropical Crops* Otis Warren Barrett,1928 **A Text-book of Tropical Agriculture** H. A. Alford Nicholls,1897 **Breeding of Neglected and Under-Utilized Crops, Spices, and Herbs** Sergio Ochatt,S.M. Jain,2007-01-06 This book includes 20 different chapters where the authors have addressed various aspects of the cultivation taxonomy socio economic importance and breeding and development as applied to neglected and underutilized crops The first chapter deals with the more general aspects of the cultivation and propagation of these crops thirteen chapters concentrate on specific neglected crops nine of which focus on seed propagated crops and the remaining four on vegetatively propagated ones while the last five chapters describe the uses importance propagation and improvement of neglected and under utilized crops from different regions of the world **Spice Mill** ,1911

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