Integrated Watershed Management in Rainfed Agriculture AD05E 2006 Fruit growing in the tropicsPOWERS AGAINST DREAM CRIMINALSSmart Village TechnologyEssential Plant NutrientsQuinoaGovernment Reports Announcements & IndexAfrican Indigenous Vegetables in Urban Agriculture African Indigenous VegetablesAD29F Les pesticides: composition, utilisation et risquesEdible and Medicinal MushroomsRations for PigWater-smart agriculture in East AfricaBrinkman’s cumulative catalogue of boeken Sustainable AgrochemistryAgrinexControlled Environment HorticultureSnail Farming in West Africa AD01E Pig keeping in the tropicsOilseeds: Health Attributes and Food ApplicationsPig Production in the Tropicallow to Grow More VegetablesCornocopia IIIFields of LearningPoultry NewsletterAnnuaal Health and Food SafetyThe Perennials of Tropical Agriculture ruralstainsestCompostingPoultry for Profit and PleasureGovernment Reports Annual IndexThe RabbitValue from Village Processing AD39E Non-timber forest productsThe Challenge of Protein Crops as a Sustainable Source of Protein for the FutureAD29E Pesticides: compounds, use and hazardsEdible and Medicinal InsectsYearbook of International Organizations IndexVeterinariusProducts and Profit from PoultryThe best growing mushrooms at home (back cover)Comprehensive and timely, Edible and Medicinal Mushrooms: Technology and Applications provides the most up to date information on the various edible mushrooms on the market. Comprising knowledge on their production, application and nutritional effects, chapters are dedicated to the cultivation of major species such as Agaricus bisporus, Pleurotus ostreatus, Agaricus subrufescens, Lentinula edodes, Ganoderma lucidum and others. With contributions from top researchers from around the world, topics covered include: Biodiversity and biotechnological applications Cultivation technologies Control of pests and diseases Current market overview Bioactive mechanisms of mushrooms Medicinal and nutritional properties Extensively illustrated with over 200 images, this is the perfect resource for researchers and professionals in the mushroom industry, as well as nutritionists, as well as academics and students of biology, agronomy, nutrition and medicine. Primary crop processing can create diversified incomes and employment for farmers in rural villages. Processing brings many different benefits to communities: it allows foods to be preserved and stored as a reserve against times of shortage; it helps to avoid the effects of lowered prices when seasonal gluts occur at harvest time, it creates special foods for cultural identity and it enables farmers to add value to crops and animal products that diversify and increase sources of income. This book provides a comprehensive presentation of the realization of improved rainfed agriculture yield in semi-arid and dry land areas. The incentive of watershed programs is to increase the return on investment with over 20% for 65% of the projects that are currently underperforming. Besides techniques to improve the livelihood of the many small Quinoss an ancient grain that has grown in popularity in recent years. It has been known as a good source of both protein and fiber. As the demand for quinoa increases a comprehensive and up-to-date reference on the biology and production of the crop is essential. Quinoa: Improvement and Sustainable Production brings together authors from around the world for an in-depth assessment of the state of global quinoa research and production. Topics covered include: quinoa history, modern breeding, crop physiology and ecophysiology, genetics and breeding, agronomy, nutrition, marketing, and end-uses. The book focuses in particular on the emerging role of quinoa in providing increased food security to smallholder farmers and communities throughout the world. Quinoa will interest quinoa researchers, producers, crop scientists, agronomists, and plant geneticists, as well as advanced students working with this important grain. Presents the basic principles of bioinnensive gardening with tips on how to grow, preparing growing beds, and planning and planting. Edible insects have always been a part of human diets, but in some societies there remains a degree of disdain and disgust for their consumption. Insects offer a significant opportunity to merge traditional knowledge and modern science to improve human food security worldwide. This publication describes the contribution of insects to food security and examines future prospects for raising insects at a commercial scale to improve food and feed production, diversify diets, and support livelihoods in both developing and developed countries. Edible insects are a promising alternative to the conventional production of meat, either for direct human consumption or for indirect use as feedstock. This publication will boost awareness of the many valuable roles that insects play in sustaining nature and human life, and it will stimulate debate on the expansion of the use of insects as food and feed. This book discusses the role of probiotics and prebiotics in maintaining the health status of a broad range of animal groups used for food production. It also highlights the use of beneficial microorganisms as protective agents in animal derived foods. The book provides essential information on the characterization and definition of probiotics on the basis of recently released guidelines and reflecting the latest trends in bacterial taxonomy. Last but not least, it discusses the concept of “dead” probiotics and their benefits to animal health in detail. The book will benefit all professors, students, researchers and practitioners in academia and industry whose work involves biotechnology, veterinary sciences or food production. This booklet provides a list of success and sustainability indicators for primary solid waste collection systems. This book offers a transdisciplinary perspective on the concept of “smart villages” Written by an authoritative group of scholars, it discusses various aspects that are essential to the fostering and development of successful smart villages. Presenting cutting-edge technologies, such as big data and the Internet-of-Things, the authors show how they have been applied to promote local development, it also addresses important policy and sustainability issues. As such, this book offers a timely snapshot of the state-of-the-art in smart village research and practice. This publication is part of a series which seeks to raise awareness amongst policymakers and agricultural support services in low and middle income countries about sustainable income generation opportunities for small-scale farmers and local communities. It contains guidance on the keeping of poultry, and topics discussed include: the history of domestic poultry production, its contribution to sustainable rural livelihoods, key components of rural poultry production, diversification and intensification issues, utilisation of poultry products. It includes case studies of poultry farmers in South Africa, South Africa, Guatemala, Cambodia and the Philippines. zoom in alphabetical lijst van Nederlandsche boeken in Belgie uitgegeven.Advantages of pig raising; Disadvantages of pig raising. Pig raising systems; Future outlook for pig production; Pig breeding; Breeds; Breeding for efficient production; Pig biology; Reproductive and adaptive physiology; Nutrition and feeding; Diseases and parasites; Pig husbandry; Care and management; Housing and equipment; Record-keeping; Slaughtering and processing. This book provides a comprehensive systematic approach to the main questions and challenges associated with the multiple roles, use, management and livelihood contributions of indigenous vegetables in urban agriculture in sub-Saharan Africa. There has been growing research and policy effort around urban agriculture in the region over the last two decades, but never has it been integrated with work on under-researched crops such as indigenous vegetables. These species have multiple advantages, including low input requirements, adaptability to African environments, high nutritional value and marked biodiversity, cultural and local food security significance. Yet they are overlooked in the modern world, where recent emphasis has been directed to growing a limited range of exotic crops, both for internal markets and for export to developed country markets. This book provides evidence that, in spite of this neglect, in many African cities indigenous vegetables are still widely used, cultivated and marketed. It goes on to consider their potential to contribute to income generation and poverty alleviation of the growing numbers of urban dwellers in sub-Saharan Africa, whilst promoting urban greening and sustainability. Based on critical analysis of the debates it presents a multidisciplinary analysis of the realities and future opportunities. An understanding of crop physiology and ecophysiology enables the horticulturist to manipulate a plant’s metabolism towards the production of fruits and vegetables that are beneficial for human health when that plant is part of the diet or the source of phytochemicals. The first part of this book introduces the concept of Controlled Environment Horticulture as a horticultural production technique used to maximize yields via the optimization of access to growing factors. The second part describes the use of this production technique in order to induce stress responses in the plant via the modulation of these growing factors and, importantly, the way that this manipulation induces defence reactions in the plant resulting in the production of compounds beneficial for human health. The third part provides guidance for the implementation of this knowledge in horticultural production. Grain legumes, together with quinoa and amaranth (pseudocereals) and other crops are attractive candidates to satisfy the growing demand for plant protein production worldwide for food and feed. Despite their high value, many protein crops have not been adequately assessed and numerous species are underutilized. Special attention has to be paid to genetic diversity and landraces, and to the key limiting factors affecting yield, including water deficiency and other abiotic and biotic stresses, in order to obtain stable, reliable and sustainable crop production through the introduction and local adaptation of genetically improved varieties. Legumes, the main protein crops worldwide, contribute to the sustainable improvement of the environment due to their ability to fix nitrogen and their beneficial effects on the soil. They play a key role in the crop diversification and sustainable intensification of agriculture, providing solutions to current food insecurity and urgent challenges, such as climate change and food security. In addition, the role of legumes in nutrition has been recognized as a relevant source of plant protein, together with other benefits for health. Chapters dealing with common bean, lupine, soybean, lentil, cowpea and Medicago are included in this book. Most contributions deal with legumes, but the significant number of papers on different aspects of quinoa gives an idea of the increasing importance of this protein crop. Pseudocereals, such as quinoa and amaranth, are good sources of proteins that are important for the health of the most vulnerable populations. Quinones are critical in the diet of both animals and humans, and legumes constitute a source of complete protein with a good balance among all of the amino acids needed for human diet, and also important minerals, vitamins, high quality oils and flavonoids. Other protein crops such as those included in this book are hemp, cotton and cereals (maize, wheat and rice). Although cereals protein content is
not high, their seeds are largely used for human consumption. In this book are included articles dealing with all different aspects of protein crops, including nutritional value, breeding, genetic diversity, biotic and abiotic stress, cropping systems oromics, which may be considered crucial to help provide the plant proteins of the future. Overall, the participation of 169 authors in 29 chapters in this book indicates an active scientific community in the field, which appears to be an encouraging reflection of the global awareness of the need for sustainability and the promising future of protein crops as a source of food and feed. This book explores the agricultural, commercial, and ecological future of plants in relation to mineral nutrition. It covers various topics regarding the role and importance of mineral nutrition in plants including essentiality, availability, applications, as well as their management and control strategies. Plants and plant products are increasingly important sources for the production of energy, biofuels, and biopolymers in order to replace the use of fossil fuels. The maximum genetic potential of plants can be realized successfully with a balanced mineral nutrients supply. This book explores efficient nutrient management strategies that tackle the over and under use of nutrients, check different kinds of losses from the system, and improve use efficiency of the plants. Applied and basic aspects of ecophysiology, biochemistry, and biotechnology have been adequately incorporated including pharmaceuticals and nutraceuticals, agronomical, breeding and plant protection parameters, propagation and nutrients managements. This book will serve not only as an excellent reference material but also as a practical guide for readers, cultivators, students, botanists, entrepreneurs, and farmers. An encyclopedia of some 3,000 species of edible plants, selecting those cultivars of them that are traditional and well-adapted favorites, family heirlooms, gourmet and specialty market items, and the most promising of the newest releases. The articles include common and scientific names and describe habitat and growing requirements, the part of the plant used, methods of preparation, where it is or has been used traditionally, and sources for obtaining it. The first edition sprouted in 1990. The publisher's address is 1870 Sunrise Dr. Vista, CA 92084. Annotation copyrighted by Book News, Inc., Portland, OR. Traditionally poultry is found in many communities the world over and can be, with adequate support, training and investment, a viable commercial enterprise for many small-scale farmers. Poultry can provide for a good source of nutrition for the farm family and an income source, which does not depend on the harvest cycle common to crops. The booklet is aimed at raising awareness and promoting poultry as a business to all those who are involved in supporting small-scale farming and rural development in general. Edition for 1983/84: published in 3 vols.: vol. 1, Organization descriptions and index; vol. 2, International organization participation; vol. 3, Global action networks; edition for 2012/2013: published in 5 vols: vol. 4, International organization bibliography and resources; vol. 4. Statistics, visualizations & patterns. It is here at last, the deliverance manual for addressing dream battles and nightmares. By the time a person is 60 years old, he would have spent 20 years sleeping and dreaming. Your dreams are your spiritual monitoring system. Many do not know what is happening to their lives because, they do not understand their dreams. The land of slumber is as important as life itself. Dreams from God are to assure, encourage, comfort, direct, instruct, guide, exhort, correct, warn or reveal the plan and purposes of God. Satanic dreams are noted for their absurdity, emptiness, harassment and punishment by dream criminals. This book teaches you how to understand your dreams and how to deal with your dream battles. This is a must for every serious Christian home. Read it and pray the prayer points therein and your life will no longer remain the same. Oilseeds offer a plethora of opportunities for the food and feed industry, thanks to their high oil and protein content. Their phytotaurins and functional components have attracted the interest of researchers, leading to the development of functional foods. This book gathers the latest scientific information on the nutrients, phytotaurins and health benefits as well as the adverse effects of consuming various conventional and non-conventional oilseeds. In addition, each chapter includes a section comprehensively explaining the use of oilseeds in functional bakery, dairy, and other food products. Given its scope, the book is a valuable resource for students, researchers, nutritionists, food scientists and technologists, and for anyone involved in product development based on oilseed and its components. This book presents a broad range of technologies for sustainable agrochemistry, e.g. semiochemicals for pest management, nanotechnology for release of eco-friendly agrochemicals, and green chemistry principles for agriculture. It provides a concise introduction to sustainable agrochemistry for a professional audience, and highlights the main scientific and technological approaches that can be applied to modern agrochemistry. It also discusses various available technologies for reducing the negative impacts of agrochemicals on the environment and human health.