

“八五”国家科技攻关计划专题之一

以色列农业在中国

Israeli Agriculture in China

走近北京中以示范农场

Beijing Sino-Israeli Demonstration Farm

主编 朱洪峰 韩慧君



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图书在版编目(CIP)数据

以色列农业在中国:走近北京中以示范农场/朱洪峰等主编. —南京:江苏科学技术出版社,2000.12

ISBN 7-5345-3240-X

I. 以... II. 朱... III. ① 农业技术-以色列
② 农业技术-技术引进-经验-中国 IV. F323.3

中国版本图书馆 CIP 数据核字(2000)第 58283 号

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责任编辑 钱路生

出版发行 江苏科学技术出版社
(南京市湖南路 47 号,邮编:21009)

经 销 江苏省新华书店
照 排 南京印刷制版厂
印 刷 徐州新华印刷厂

开 本 889mm × 1194mm 1/32
印 张 9.75
字 数 230 000
版 次 2000 年 12 月第 1 版
印 次 2000 年 12 月第 1 次印刷
印 数 1-5 000 册

标准书号 ISBN 7-5345-3240-X/S·532
定 价 40.00 元

图书如有印装质量问题,可随时向我社出版科调换

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内 容 简 介

本书以实践者的角度较系统地研究并介绍了以以色列为代表的国外农业先进技术与管理方法。主要包括以色列农业迅速发展的特色;现代温室生产新技术栽培体系;滴灌微喷等现代节水与优化施肥技术;无土栽培与工厂化育苗以及温室环境计算机控制等技术管理方法。同时介绍了引进筛选的以色列园艺作物优良品种及消化吸收的栽培要点,还提出进一步消化吸收创新的构想。书中以流畅简洁的文字和精美彩图,展现了先进的农业技术和管理方法。

本书科学性与实用性兼备,融管理与技术于一册,深入浅出,图文并茂,可读性强。可供各级农业领导干部、农业高新科技示范园区规划设计者和高级管理者、现代园艺农艺师、现代农业培训班教员与学员阅读,也可供农业大专院校师生参考。

Introduction

Introduction

As a practitioner, the author systematically describes the advanced agricultural techniques and management methods introduced from foreign countries like Israel. The book includes the characteristics of Israeli agriculture, new cultivation techniques for modern greenhouse production, advanced techniques like drip and micro irrigation for water-saving agriculture and optimizing application of fertilizer, techniques and management methods for soilless cultivation, industrialized seedling cultivating, and environmental control of greenhouse by computers. Meanwhile, the book has introduced the key point for cultivating horticulture plants selected from Israeli varieties, and has also brought some new ideas for adoption and development of introduced technology.

The book is written in easy and fluent style with colorful and lively pictures. It will show you the advanced agricultural techniques and management methods abroad.

This is a book combining theory with practice, management methods and technology. The text is explained in simple terms with excellent pictures. It will be invaluable to leaders at different levels in agricultural fields, planners and designers for establishment of high-tech agricultural demonstration zones, senior managers, agronomists in modern horticultural science, and teachers and students participating in modern agricultural training courses. It will also be useful to teachers and students at agricultural universities or colleges for reference.

前言

中国和以色列国尽管国土面积相差悬殊，而农业则自始至终是两国社会发展的基石和国家经济的重要组成部分。仅经一代人的历程，以色列农业便从荒漠农业发展成为举世瞩目的现代农业。中国，泱泱农业古国正迈开现代步伐，引进吸收国外先进农业科技，缩短与发达农业的距离。在京郊落成并迈出健康第一步的中国—以色列示范农场，已经和正在成功地向祖国人民展示出一幅全面真实的有中国特色的现代农业图景。

本书的主要部分是中以示范农场完成“八五”国家科技攻关计划专题项目。在原国家科委和农业部国际合作司、科技司的大力支持下，以中国农业科学院强有力的科技依托，中以示范农场在引进和积极消化吸收国外先进农业科技的三年多实践中，展开了较为全面的多层次的系统分析和归纳，提出了以以色列为代表的国外先进农业科技在中国推广、辐射和创新的可行性，为国家各级领导部门提供决策依据。

成功的引进启迪了我国设施农业的空前发展，短短一二年间，各地温室、大棚及其配套装置的设计和生产单位如雨后春笋般建立起来，节水农业和集约农业也正以前所未有的速度发展。国外新优品种产品上市，推动了园艺品种的加速选育。多数省区都有各级农业高新技术示范园区走进广袤的农村大地。一大批用新知识改造传统农业的新型农业技术人才正在成长，中国农业也将加快步入知识经济时代。

本书承蒙中国农科院信乃诠研究员审稿，并对稿件提出许多宝贵的修改意见，编者在此表示深深感谢。

限于水平和工作的阶段性，书中难免有错漏之处，恳请广大读者批评指正。

作者

1999. 11

Preface

China and Israel have great difference in land area, but agriculture has always been the base for the social development and an important component of national economy in both countries. With great efforts made by a generation, Israel has transformed desert agriculture into a modern one, which has received world attention. As a big and ancient country in agriculture, China is making efforts to introduce and adoption new agricultural techniques from abroad and to narrow the distance with advanced countries. Sino-Israel Demonstration Farm located in the suburb of Beijing has made a successful step in this field and has shown the people a lively and comprehensive scene of modern Israeli agriculture.

This book is the main part for Sino-Israel Demonstration Farm in complementing the state key programs in the Eighth Five-Year-Plan. With the support from former State Science and Technology Commission, Department of International Cooperation and Department of Science and Technology of the Ministry of Agriculture, and with the technical assistance from the Chinese Academy of Agricultural Sciences, Sino - Israel Demonstration Farm has conducted a systematic analysis and summery in all-round and a multi-tiered way on introducing and adopting advanced foreign techniques by more than three years practice, set forth the feasible suggestions for popularization, spread and development of these technologies introduced from abroad like from Israel, and provide policy-making basis for government department at different levels in China.

By successful introducing of advanced techniques from abroad, protected agriculture in China has developed at an unprecedented rate. In recent two years, the design and production units for different kinds of greenhouse, vinyl-house and complete sets have sprang up like mushroom. Water-saving agriculture and intensive agriculture have been developed rapidly. With large number of new varieties introduced from abroad putting into the market, they have promoted the selection and development of new horticultural varieties.

Preface

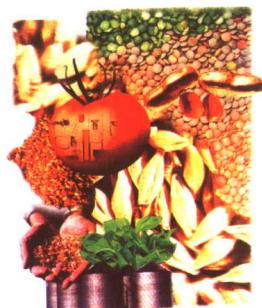
Many high-tech agricultural demonstration farms are spreading in a vast expanse of rural areas. Masses of agrotechnicians with new ideas, who are using new knowledge to improve traditional agriculture, are growing up. China agriculture is striding forward toward knowledge economy era.

I wish to express my sincere thanks to Prof. Xin Naiquan, Chinese Academy of Agricultural Sciences, who read a draft of the book and suggested a number of major improvements.

Author

1999. 11.

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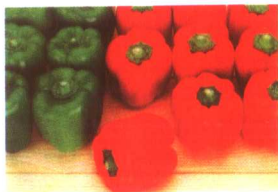
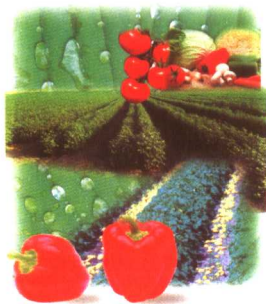
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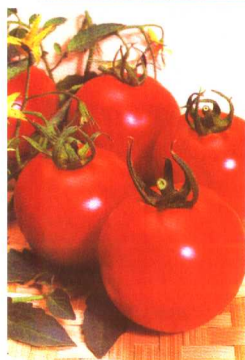




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