

Achieving sustainable cultivation of soybeans

Volume 2: Diseases, pests, food and non-food uses

Edited by Professor Henry T. Nguyen
University of Missouri, USA



 burleigh dodds
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New title information

Achieving sustainable cultivation of soybeans Volume 2

Diseases, pests, food and other uses

Edited by Prof. Henry T. Nguyen, University of Missouri, USA

Endorsement:

"This book on soybean will be an internationally-renowned source since it covers important aspects of soybean breeding, cultivation techniques, pest and weed management, as well as the use of soybean for human and animal uses. Written by experts in their fields, this collection represents an outstanding and comprehensive compilation of current knowledge."

Professor Elvira de Mejia, Assistant Dean for Research and University Scholar, Department of Food Science and Human Nutrition, University of Illinois, USA.

Description:

Soybeans are one of the most widely-grown crops in the world. As the world's main source of vegetable protein, they have a wide range of food and non-food uses. Current yields need to increase significantly to meet growing demand but in a way that reduces input use, does not damage the environment and is resilient to climate change. This collection reviews the wealth of research addressing this challenge.

Volume 2 reviews advances in understanding and managing the range of diseases and pests that continue to cause significant crop losses. Part 1 discusses fungal, viral and bacterial diseases as well as developments in disease-resistant varieties, integrated pest and weed management.

With its distinguished editor and international team of authors, this will be a standard reference for soybean scientists, growers, government and non-government agencies supporting soybean cultivation. It is accompanied by a companion volume that reviews advances in breeding and cultivation techniques.

Key features:

- Detailed coverage of oomycete, fungal, viral and bacterial diseases affecting soybeans
- Reviews developments in disease and pest-resistant varieties as well as integrated pest and weed management
- Summarises research on developing food and non-food uses, from improving nutritional properties to uses in animal feed and biodiesel

Audience:

Soybean scientists; soybean growers; government and non-governmental agencies supporting soybean cultivation

Editor details:

Dr Henry T. Nguyen is the Curators' Professor of Genetics and Missouri Soybean Merchandising Council (MSMC) Endowed Chair in Soybean Genomics and Biotechnology at the University of Missouri, USA. He is also Director of the National Center for Soybean Biotechnology responsible for pioneering research into the molecular genetics of plant stress resistance as well as a leading role in mapping the soybean genome.

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