

## Achieving sustainable cultivation of grain legumes

Volume 2: Improving cultivation of particular grain legumes

Edited by Dr Shoba Sivasankar, Dr David Bergvinson, Dr Pooran Gaur, Dr Shiv Kumar, Dr Steve Beebe and Dr Manuele Tamò



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# Achieving sustainable cultivation of grain legumes Volume 2

## Improving cultivation of particular grain legumes

Edited by Dr Shoba Sivasankar, Director of the CGIAR Research Program on Grain Legumes/International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India, et al.

### Endorsement:

"This reference will greatly improve the visibility of, and access to knowledge about, crops that play such a critical role in sustainable cropping systems, nutrition and income, yet which often remain under the radar of governments and policy makers and which do not always receive the investment they deserve." *Jeff Ehlers, Program Officer in Agricultural Development, Bill & Melinda Gates Foundation*

### Description:

Grain legumes are characterised by their nutritional value, an ability to grow rapidly and improve soil health by fixing nitrogen. This makes them a key rotation crop in promoting food security amongst smallholders in particular. However, yields are constrained by factors such as pests and diseases as well as vulnerability to poor soils, drought and other effects of climate change.

This collection reviews the wealth of research addressing these challenges. Volume 2 assesses key research on particular types of grain legume with chapters on developing improved varieties as well as improvements in cultivation techniques Part 1 covers common beans, chickpeas, lentils, soybeans and groundnuts. Part 2 discusses cowpea, faba beans and pigeonpea.

With its distinguished editorial team and international range of expert authors, this will be a standard reference for the grain legume research community and farmers of these important crops as well as government and other agencies responsible for agricultural development. It is accompanied by a companion volume which reviews general advances in breeding and cultivation techniques.

### Key features:

- Detailed coverage of particular grain legumes
- Chapters on each key aspect of grain legume cultivation: improved varieties and advances in cultivation techniques
- International range of authors with specific expertise in each grain legume

### Audience:

Grain legume scientists; growers; government and non-governmental agencies supporting cultivation of grain legumes as a food security crop

### Editor details:

Dr Shoba Sivasankar is Director of both the CGIAR Research Program on Grain Legumes and the Research Program on Dryland Cereals. She is based at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) in India.

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