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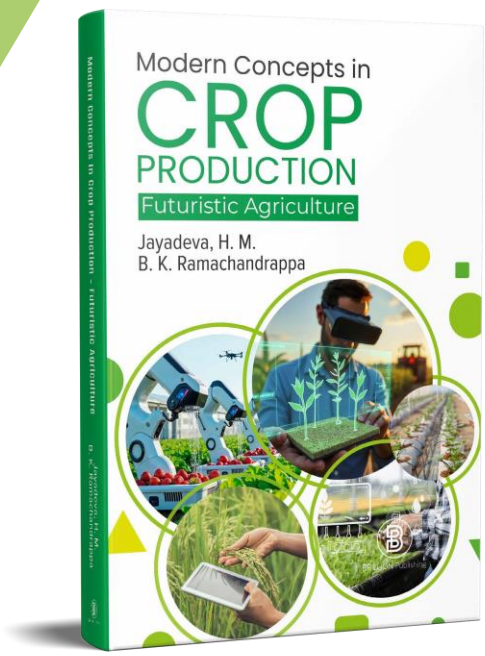

Modern Concepts in CROP PRODUCTION
Futuristic Agriculture

Modern Concepts in Crop Production – Futuristic Agriculture is a comprehensive book that sheds light on the modernization and innovation within the agricultural sector, highlighting the transition from conventional farming methods to digitally enabled, technology-driven approaches. This book serves as a valuable resource for undergraduate and postgraduate students in the Agricultural Universities. This book includes the most of the syllabus of course on "Modern concepts in crop production" as proposed by National Core Group (NCG), constituted by ICAR to cope up with fast changing national and international scenario.

Features

The main purpose of this book is to engage both students and teachers in the evolving field of modern crop production. To achieve this, the content has been presented in systematic and comprehensive manner. The book blends descriptive and analytical approaches to offer a deeper understanding of each concept. Additionally, relevant illustrations have been added to make the subject matter easier to understand.

- The book is divided into twentytwo chapters viz Introduction, Nutrient management, Water management, Weed management, Agronomic practice for plant protection, Precision farming, Integrated farming systems, Vertical farming, Conservation agriculture, Climate smart agriculture, Agronomic biofortification of crops with Zinc and other micronutrients, Biochar, Biostimulants, Farm equipment and mechanization, Renewable energy resources, Digital agriculture, Artificial intelligence, Carbon sequestration, Cost reduction techniques in crop production, Mitigation options for methane emission, Agroforestry and Contract farming have been discussed.

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