



Precision Agriculture Technology for Crop Farming

From CRC Press



Precision Agriculture Technology for Crop Farming From CRC Press

Explores the Sustainable Development of Agriculture in Technology

Precision agriculture technology, when properly integrated into the crop production process, can greatly improve overall production and sustainability. **Precision Agriculture Technology for Crop Farming** focuses on the technology of site-specific crop management; detailing applications for sensing, data handling, modeling, and control. Written by experts who have contributed significantly to the development of precision agriculture technology, this book reviews its history?establishing background on the various processes and applications?describes the current status, and offers insight into the future technology of precision agriculture.

Introducing processes and applications based on a global scale, the book reveals how precision agriculture can be used in large-scale agriculture, community agriculture, and diversified farming. It includes site-specific information from a variety of information sources for planning, planting, growing, and harvesting agricultural crops. It also presents a new concept based on the control system theory that can be used to formulate systematic methods for more effective precision crop production.

In addition, this author:

- Describes yield monitors and guidance systems, GPS-based soil sampling, real-time crop and soil sensors, and remote sensing
- Evaluates a Japanese model of community-based precision agriculture aimed at high profitability and reliability under regional and environmental constraints
- Highlights autonomous vehicles, field robots, and other intelligent machinery, emerging developments, and future technology in the field of production agriculture

Precision Agriculture Technology for Crop Farming provides an overview of precision agriculture technology development, discusses current and future considerations, and aims to facilitate the successful integration of precision agriculture technology.

 [Download Precision Agriculture Technology for Crop Farming ...pdf](#)

 [Read Online Precision Agriculture Technology for Crop Farmin ...pdf](#)

Precision Agriculture Technology for Crop Farming

From CRC Press

Precision Agriculture Technology for Crop Farming From CRC Press

Explores the Sustainable Development of Agriculture in Technology

Precision agriculture technology, when properly integrated into the crop production process, can greatly improve overall production and sustainability. **Precision Agriculture Technology for Crop Farming** focuses on the technology of site-specific crop management; detailing applications for sensing, data handling, modeling, and control. Written by experts who have contributed significantly to the development of precision agriculture technology, this book reviews its history?establishing background on the various processes and applications?describes the current status, and offers insight into the future technology of precision agriculture.

Introducing processes and applications based on a global scale, the book reveals how precision agriculture can be used in large-scale agriculture, community agriculture, and diversified farming. It includes site-specific information from a variety of information sources for planning, planting, growing, and harvesting agricultural crops. It also presents a new concept based on the control system theory that can be used to formulate systematic methods for more effective precision crop production.

In addition, this author:

- Describes yield monitors and guidance systems, GPS-based soil sampling, real-time crop and soil sensors, and remote sensing
- Evaluates a Japanese model of community-based precision agriculture aimed at high profitability and reliability under regional and environmental constraints
- Highlights autonomous vehicles, field robots, and other intelligent machinery, emerging developments, and future technology in the field of production agriculture

Precision Agriculture Technology for Crop Farming provides an overview of precision agriculture technology development, discusses current and future considerations, and aims to facilitate the successful integration of precision agriculture technology.

Precision Agriculture Technology for Crop Farming From CRC Press Bibliography

- Sales Rank: #957933 in Books
- Published on: 2015-10-21
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 6.25" w x 1.00" l, .0 pounds
- Binding: Hardcover
- 374 pages

 [Download Precision Agriculture Technology for Crop Farming ...pdf](#)

 [Read Online Precision Agriculture Technology for Crop Farmin ...pdf](#)

Download and Read Free Online Precision Agriculture Technology for Crop Farming From CRC Press

Editorial Review

About the Author

Dr. Qin Zhang is the director of the Center for Precision and Automated Agricultural Systems and a professor of agricultural automation in the Department of Biological Systems Engineering at Washington State University (WSU). Before joining the faculty at WSU, he was a professor at the University of Illinois at Urbana-Champaign. He has authored two textbooks and six separate book chapters, edited two technical books and two conference proceedings, published 125 journal articles, presented more than 200 papers at professional conferences, and been awarded 10 U.S. patents. He is currently the editor in chief of *Computers and Electronics in Agriculture*.

Users Review

From reader reviews:

David Dugas:

Have you spare time to get a day? What do you do when you have more or little spare time? Sure, you can choose the suitable activity regarding spend your time. Any person spent all their spare time to take a go walking, shopping, or went to the Mall. How about open or read a book called Precision Agriculture Technology for Crop Farming? Maybe it is to become best activity for you. You understand beside you can spend your time with the favorite's book, you can cleverer than before. Do you agree with its opinion or you have various other opinion?

Marcus Casale:

The ability that you get from Precision Agriculture Technology for Crop Farming will be the more deep you looking the information that hide inside words the more you get interested in reading it. It does not mean that this book is hard to understand but Precision Agriculture Technology for Crop Farming giving you thrill feeling of reading. The article author conveys their point in selected way that can be understood through anyone who read this because the author of this book is well-known enough. This specific book also makes your own vocabulary increase well. Making it easy to understand then can go together with you, both in printed or e-book style are available. We propose you for having this specific Precision Agriculture Technology for Crop Farming instantly.

Larry Tatro:

What is your hobby? Have you heard that question when you got learners? We believe that that query was given by teacher with their students. Many kinds of hobby, Everybody has different hobby. And also you know that little person including reading or as looking at become their hobby. You have to know that reading is very important in addition to book as to be the matter. Book is important thing to include you knowledge,

except your own personal teacher or lecturer. You find good news or update regarding something by book. Numerous books that can you take to be your object. One of them is this Precision Agriculture Technology for Crop Farming.

Frank Tye:

A lot of people said that they feel uninterested when they reading a guide. They are directly felt this when they get a half portions of the book. You can choose the particular book Precision Agriculture Technology for Crop Farming to make your own reading is interesting. Your personal skill of reading talent is developing when you such as reading. Try to choose easy book to make you enjoy to study it and mingle the feeling about book and looking at especially. It is to be 1st opinion for you to like to open a book and learn it. Beside that the publication Precision Agriculture Technology for Crop Farming can to be your brand new friend when you're sense alone and confuse with the information must you're doing of their time.

Download and Read Online Precision Agriculture Technology for Crop Farming From CRC Press #24GIJ76YAEZ

Read Precision Agriculture Technology for Crop Farming From CRC Press for online ebook

Precision Agriculture Technology for Crop Farming From CRC Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Precision Agriculture Technology for Crop Farming From CRC Press books to read online.

Online Precision Agriculture Technology for Crop Farming From CRC Press ebook PDF download

Precision Agriculture Technology for Crop Farming From CRC Press Doc

Precision Agriculture Technology for Crop Farming From CRC Press Mobipocket

Precision Agriculture Technology for Crop Farming From CRC Press EPub