



Plant Growth and Development: Hormones and Environment

By Lalit M. Srivastava

Download now

Read Online ➔

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava

This book provides current information on synthesis of plant hormones, how their concentrations are regulated, and how they modulate various plant processes. It details how plants sense and tolerate such factors as drought, salinity, and cold temperature, factors that limit plant productivity on earth. It also explains how plants sense two other environmental signals, light and gravity, and modify their developmental patterns in response to those signals. This book takes the reader from basic concepts to the most up-to-date thinking on these topics.

- * Provides clear synthesis and review of hormonal and environmental regulation of plant growth and development

- * Contains more than 600 illustrations

supplementary information on techniques and/or related topics of interest

- * Single-authored text provides uniformity of presentation and integration of the subject matter

- * References listed alphabetically in each section

↓ [Download Plant Growth and Development: Hormones and Environ...pdf](#)

📖 [Read Online Plant Growth and Development: Hormones and Envir...pdf](#)

Plant Growth and Development: Hormones and Environment

By Lalit M. Srivastava

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava

This book provides current information on synthesis of plant hormones, how their concentrations are regulated, and how they modulate various plant processes. It details how plants sense and tolerate such factors as drought, salinity, and cold temperature, factors that limit plant productivity on earth. It also explains how plants sense two other environmental signals, light and gravity, and modify their developmental patterns in response to those signals. This book takes the reader from basic concepts to the most up-to-date thinking on these topics.

* Provides clear synthesis and review of hormonal and environmental regulation of plant growth and development

* Contains more than 600 illustrations

supplementary information on techniques and/or related topics of interest

* Single-authored text provides uniformity of presentation and integration of the subject matter

* References listed alphabetically in each section

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava Bibliography

- Sales Rank: #3176466 in Books
- Published on: 2002-08-06
- Original language: English
- Number of items: 1
- Dimensions: 1.47" h x 8.62" w x 11.38" l, 4.98 pounds
- Binding: Hardcover
- 772 pages

 [Download Plant Growth and Development: Hormones and Environ ...pdf](#)

 [Read Online Plant Growth and Development: Hormones and Envir ...pdf](#)

Editorial Review

Review

"This book...is a considerable tour de force, a remarkable effort by one person, and I applaud the manner in which the author has co-opted more than 40 people from all over the globe to assist in strengthening a wide diversity of topics. The coverage is comprehensive leaving very few aspects of growth and development untouched...There is a healthy mix of older and new science employing a diversity of disciplines including physiology, biochemistry, genetics, mutants and molecular biology, all of which are well illustrated...The book will be a very valuable reference for many years to come and deserves a place in every library."

-Jake Jacobsen, CSIRO Plant Industry, Australia

"Without hesitation I can say that I am very impressed with both the breadth and depth of the subject matter...I find it quite remarkable that one author has achieved such an accomplished piece writing...This book fills a very important and long-standing requirement for a modern, readable and challenging text on plant growth and development."

-Derek Bowley, University of Guelph, Canada

"The author has filled this gap by writing an excellent, comprehensive book that addresses beginning graduate students and researchers in the plant sciences...I am convinced it will become a classic!"

-U. Kutschera, Universität Kassel, Germany

"The book covers a huge breadth of topics and ranges in depth of coverage from careful descriptions of basic principles and experimental techniques to accounts of some of the most recent research developments."

-Richard Hooley, University of Bath, U.K.

"This book should be favorably received by scientists both in and outside of plant growth and development field. Its coverage is extensive and up-to-date...I am amazed at [the author's] ability to keep up with so many fast-changing fields...In my opinion, it is a book that professors and graduate students in growth and development will want to have on their shelves."

-Robert E. Cleland, University of Washington, U.S.A.

From the Back Cover

Recent discoveries in plant growth and development, fueled by molecular and genetic techniques, have revolutionized plant biology. The pace of change has been rapid. New insights into hormonal homeostasis, hormonal and environmental regulation, and interactions among signaling pathways of hormones and environmental factors are gained each year. **Plant Growth and Development** is intended to prepare senior undergraduates and beginning graduate students for this fast-moving discipline. The text is organized into five sections: special aspects of plant growth and development; structure and metabolism of hormones; hormonal regulation of developmental and physiological processes; molecular basis of hormone action; and environmental regulation of growth. Suitable for an upper level or graduate course in hormonal and environmental plant physiology and/or plant growth and development, it will also be useful as a supplemental text for courses in agronomy, forestry, and horticulture. In addition, it is a reference for any scientist interested in plant growth, hormones, and development and/or the environmental factors that regulate plant life.

Related Titles

Nobel - Physicochemical and Environmental Plant Physiology, 2nd edition (1999, ISBN: 0-12-520025-0)
Kozlowski & Pallardy - Physiology of Woody Plants, 2nd edition (1997, ISBN: 0-12-424162-X)
Dickson - Integrative Plant Anatomy (2000, ISBN: 0-12-215170-4)
Dey & Harborne - Plant Biochemistry (1997, ISBN: 0-12-214674-3)

About the Author
by Lalit M. Srivastava

Users Review

From reader reviews:

Gregory Mackenzie:

This Plant Growth and Development: Hormones and Environment book is just not ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is usually information inside this guide incredible fresh, you will get info which is getting deeper you actually read a lot of information you will get. This kind of Plant Growth and Development: Hormones and Environment without we recognize teach the one who studying it become critical in imagining and analyzing. Don't always be worry Plant Growth and Development: Hormones and Environment can bring whenever you are and not make your carrier space or bookshelves' come to be full because you can have it within your lovely laptop even cellphone. This Plant Growth and Development: Hormones and Environment having very good arrangement in word along with layout, so you will not truly feel uninterested in reading.

Sabra Fitzgerald:

This Plant Growth and Development: Hormones and Environment usually are reliable for you who want to certainly be a successful person, why. The reason of this Plant Growth and Development: Hormones and Environment can be one of many great books you must have will be giving you more than just simple reading food but feed anyone with information that maybe will shock your prior knowledge. This book is handy, you can bring it everywhere and whenever your conditions in the e-book and printed kinds. Beside that this Plant Growth and Development: Hormones and Environment giving you an enormous of experience such as rich vocabulary, giving you trial of critical thinking that we understand it useful in your day task. So , let's have it and luxuriate in reading.

Kevin Zavala:

Plant Growth and Development: Hormones and Environment can be one of your basic books that are good idea. Many of us recommend that straight away because this guide has good vocabulary that will increase your knowledge in terminology, easy to understand, bit entertaining but delivering the information. The author giving his/her effort to place every word into delight arrangement in writing Plant Growth and Development: Hormones and Environment however doesn't forget the main point, giving the reader the hottest and based confirm resource data that maybe you can be certainly one of it. This great information can certainly drawn you into new stage of crucial considering.

John Dame:

A lot of reserve has printed but it takes a different approach. You can get it by world wide web on social media. You can choose the best book for you, science, witty, novel, or whatever simply by searching from it. It is identified as of book Plant Growth and Development: Hormones and Environment. You'll be able to your knowledge by it. Without departing the printed book, it can add your knowledge and make you happier to read. It is most crucial that, you must aware about e-book. It can bring you from one place to other place.

**Download and Read Online Plant Growth and Development:
Hormones and Environment By Lalit M. Srivastava
#LZT6EXKUCMI**

Read Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava for online ebook

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava 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 Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava books to read online.

Online Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava ebook PDF download

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava Doc

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava Mobipocket

Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava EPub

LZT6EXKUCMI: Plant Growth and Development: Hormones and Environment By Lalit M. Srivastava