



Handbook of Plant and Crop Stress, Third Edition (Books in Soils, Plants, and the Environment)

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The dynamic and expanding knowledge of environmental stresses and their effects on plants and crops have resulted in the compilation of a large volume of information in the last ten years since the publication of the second edition of the **Handbook of Plant and Crop Stress**. With 90 percent new material and a new organization that reflects this increased knowledge base, this new edition, like the first two, provides comprehensive and complete coverage of the issues on stress imposed on plants and crops.

Accessibility of knowledge is among the most critical of factors involved with plant/crop stress problems. Without due consideration of all the factors contributing to a specific plant/crop stress problem, it is unlikely that a permanent solution can be found. Facilitating the accessibility of the desired information, the volume is divided into ten sections. Each section consists of one or more chapters that discuss as many aspects of stress as possible.

While many references cover soil salinity, sodicity, specific plant/crop salt and water stress, pollution, and other environmental stresses, they exist relatively in isolation, focusing mainly on one specific topic. Prepared with input from more than a hundred contributors from twenty seven countries, this book combines information on these interrelated areas into a single resource. Packed with illustrations, figures, and tables, covering plant/crop stress problems from the soil to the atmosphere, this book puts this expanded environmental stressors knowledge base within easy reach.

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Review

... some excellent summaries of specific topics.... ... this book contains much useful information and can be dipped into to source specific facts ...

?Hamlyn Jones, in *Experimental Agriculture*, Oct 2011, Vol 47(4)

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?*Potosynthetica*, 40(4), 2003

This work is of considerable scientific value and constitutes an important contribution to scientific literature on the complex relationship between the environment and plants.

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Pessarakli has done a good job in maintaining high quality throughout the book. . . . a valuable addition to the library of anyone interested in the effect of environmental stresses (especially salinity and water stress) on the physiology and quality of crop plants.

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?*Biologia Plantarum*

Over 100 authors from 25 countries contribute to this handbook treating the various aspects of plant stress from the soil to the atmosphere. It is the second edition of the handbook with 37 new chapters and 19 revised chapters also contained in the first edition.... ... Since the book contains a broad spectrum of information, one can recommend it primarily to plant physiologists engaged in research and teaching. Also students of biology and agriculture will appreciate the summarizing chapters presented by so many different authors.

?*Journal of Plant Physiology*

... the Second Edition of the **Handbook of Plant and Crop Stress** in comparison with the first edition has been greatly enlarged. ... an excellent state-of-the art publication ... and [a] ... unique comprehensive guide.

?*Agrochimica*, 2000

About the Author

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