



# Practical Statistics and Experimental Design for Plant and Crop Science

By Alan G. Clewer, David H. Scarisbrick

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Presents readers with a user-friendly, non-technical introduction to statistics and the principles of plant and crop experimentation. Avoiding mathematical jargon, it explains how to plan and design an experiment, analyse results, interpret computer output and present findings. Using specific crop and plant case studies, this guide presents:

- \* The reasoning behind each statistical method is explained before giving relevant, practical examples
- \* Step-by-step calculations with examples linked to three computer packages (MINITAB, GENSTAT and SAS)
- \* Exercises at the end of many chapters
- \* Advice on presenting results and report writing

Written by experienced lecturers, this text will be invaluable to undergraduate and postgraduate students studying plant sciences, including plant and crop physiology, biotechnology, plant pathology and agronomy, plus ecology and environmental science students and those wanting a refresher or reference book in statistics.

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**Practical Statistics and Experimental Design for Plant and Crop Science** By Alan G. Clewer, David H. Scarisbrick **Bibliography**

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## **Editorial Review**

### **Review**

"...suitable for a practical course to science students wishing to appreciate statistical methods in agricultural and environmental research." (Short Book Reviews, Vol. 21, No. 2, August 2001)

"...useful to undergraduate students..." (Zentralblatt MATH, Vol. 961, 2001/11)

### **From the Back Cover**

Practical Statistics and Experimental Design for Plant and Crop Science provides an introduction to the principles of plant and crop experimentation. Avoiding mathematical jargon, this text explains how to plan and design an experiment, analyse results, interpret computer output and present findings. Using specific crop and plant case studies this user-friendly guide presents:

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### **About the Author**

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