Seeds: The Ecology of **Regeneration in Plant Communities**

Edited by Michael Fenner, Department of Biology, University of Southampton, UK

This book provides a comprehensive overview of all aspects of seed ecology. This subject is of major concern to plant ecologists, as in higher plants, only through regeneration by seeds (as opposed to vegetative or clonal means) can natural selection have new genetic combinations on which to act The emphasis of the book is on elucidating the process of regeneration in the field, but laboratory studies have been included where appropriate The chapters follow in roughly chronological sequence from seed production on the parent plant

through the dispersal, predation, dormancy and seed banks to germination and the establishment of seedlings in landscape The book will be invaluable for senior students and research workers in seed science and plant ecology

Contents

- Reproductive allocation and reproductive efforts in plants FA Bazzaz and D D Ackerly
- Maternal effects on seeds during development Y Gutterman
- The ecology of seed dispersal MF Willson
- Animals as seed dispersers E W Stiles
- Fruits and frugivory P Jordano
- Seed predators and plant population dynamics M J Crawley
- Longevity, viability and dormancy A J Murdoch and R H Ellis
- The functional ecology of seed banks K Thompson
- Seed responses to light T L Pons
- The role of temperature in germination ecophysiology R L Probert
- Effect of chemical environment on seed germination C M Karssen and H W M Hilhorst
- The contribution of seedling regeneration to the structure and dynamics of plant communities and larger units of landscape J P Grime and S H Hillier

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Barley Genetics, Biochemistry, Molecular Biology and Biotechnology

Edited by P R Shewry, Long Ashton Research Station, UK

The applications of molecular biology and molecular genetics have had a major impact on our understanding of the barley plant, and have opened the way to the application of biotechnology to manipulate and improve yield, quality and agronomic characters. This major book reviews our current knowledge of the genetics, biochemistry and molecular biology of barley and how biotechnology can be used to improve crop yields and their quality for feed or in the brewing industry. The book is divided into six main sections covering origin,

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- The wild species of Hordeum relationships and potential use for improvement of cultivated barley Roland von Bothmer
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- Cloned and mapped genes current status
- Penny von Wettstein-Knowles
- Progress in the production of wheat/barley addition and recombinant lines and their use mapping the barley genome KW Shepherd and AKMR Islam
- DNA marker techniques for genetic analysis in barley D A Laurie, J W Snape and M D Gale
- Nuclear genome structure and organization E Ananiev Molecular analysis of barley chloroplast proteins
- IS Okkels Analysis of barley metabolism using mutant genes P J Lea, R D Blackwell and R A Azevedo
- Molecular analysis of nitrate metabolism A Kleinhofs and R L Warner
- Genetics of barley development mutant phenotypes and molecular aspects G Bossinger, W Rohde, U Lundqvist and F Salamini
- The slender mutation of barley C I Pollock, H J Ougham and J L Stoddart
- Biochemical and molecular studies of stress tolerance in barley A M Stanca, V Terzi and L Cattivelli

- Grain structure and composition C M Duffus and M P Cochrane
- The control of protein synthesis in developing barley seeds M Kreis and P R Shewry
- Alpha-amylase-trypsin inhibitors and thionins Possible defense proteins from barley F Garcia-Olmedo et al
- Nutritional aspects of barley seed structure and composition C W Newman and R K Newman
- Barley germination biochemical changes and hormonal control *D E Briggs* Gibberellin responses in barley *P M Chandler*
- Cell wall metabolism in barley G B Fincher
- Sources and genetics of resistance to fungal pathogens J H Jorgensen
- Biochemical and molecular analyses of the response of barley to infection by powdery mildew T Bryngelsson and D B Collinge
- The molecular analysis of barley resistance to powdery mildew K J Scott
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Seed Science Research

Review Article

Wolswinkel, P. Transport of nutrients into developing seeds: a review of physiological mechanisms	59
Research Papers	
Dell'Aquila, A., & Spada, P. Regulation of protein synthesis in germinating wheat embryos under polyethylene glycol and salt stress	75
Demir, I., & Ellis, R. H. Changes in seed quality during seed development and maturation in tomato	81
Gray, D., Steckel, J. R. A., & Hands, L. J. Leek (Allium porrum L.) seed development and germination	89
Livesley, M. A., Bulleid, N. J., & Bray, C. M. Protein disulfide isomerase in germinating wheat (<i>Triticum aestivum</i>) seed and during loss of viability	97
Sánchez-Nieto, S., Rodríguez-Sotres, R., González-Romo, P., Bernal-Lugo, I., & Gavilanes-Ruíz, M. Tonoplast and plasma membrane ATPases from maize lines of high or low vigour	105
Correspondence	
Seed storage, temperature and relative humidity	113

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