

PEAS: GENETICS, MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Edited by R Casey and D R Davies, John Innes Institute, Norwich, UK Biotechnology in Agriculture Series, 10

Our knowledge of the molecular biology and genetics of peas, particularly in the fields of storage product biology, genetic mapping, transformation, plant development and the rhizobium symbiosis, has increased dramatically in recent years. The pea is also a model plant for research on a number of topics including starch biosynthesis and gene regulation by light. This book contains a number of reviews on progress in various aspects of pea molecular genetics. It places them in perspective for those concerned with the breeding, agronomy and exploitation of peas and will also be of value to those working on other grain legumes. It is also an important volume for research workers and advanced students in many areas of plant sciences, especially plant genetics and biotechnology.

Contents

- The pea crop, *D R Davies*
- The nuclear genome, T H N Ellıs
- The plastid genome, T H N Ellis
- Regulation of gene expression, P M Gilmartin
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- Biochemistry and molecular biology of seed products, R Casey, C A M Domoney and A M Smith
- Developmental mutants, I C Murfet and J B Reid
- Molecular approaches to the study of diseases of peas, A Vivian
- Root nodules, rhizobium and nitrogen fixation, N J Brewin, M J Ambrose and J A Downie
- Tissue culture and transformation, D R Davies and P M Mullineaux
- Opportunities in relation to developments in plant biotechnology, D R Davies

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Richard Ellis (1995 Conference), Department of Agriculture, University of Reading, Earley Gate, P O Box 236, Reading RG6 2AT, UK

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Edited by B. R. Jordan, Horticulture Research International, Littlehampton, UK

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