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Nota di contenuto	ANNUAL PLANT REVIEWS VOLUME 38 : Fruit Development and Seed Dispersal; CONTENTS; Contributors; Preface; 1 Carpel Evolution; 1.1 The importance of having carpels; 1.2 Hypotheses of carpel origin; 1.3 A phylogenetic framework for studies of carpel evolution; 1.4 A morphological portrait of the ancestral carpel; 1.5 The genetic control of carpel development in the first flowering plants; 1.6 A major role for the E-function in the origin of the carpel?; 1.7 Carpel specification in monocots; 1.8 Gene duplication and carpel evolution in the core eudicots 1.9 The A-function finds a role in fruit development 1.10 The multiple origins and mechanisms of syncarpy in the angiosperms; 1.11 A fruit by any other name: evolutionary convergence between angiosperms and gymnosperms; References; 2 Gynoecium Patterning in Arabidopsis: A Basic Plan Behind a Complex Structure; 2.1 Introduction; 2.2 The basic plan in lateral organs; 2.3 The Arabidopsis gynoecium; 2.4 Genetic and hormonal factors controlling gynoecium development; 2.5 Conclusion; Acknowledgements; References; 3 The Ins and Outs of

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3.3 Ovule development in Arabidopsis3.4 Sporophytic tissues; 3.5
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4.9 Current models of fruit initiation4.10 Concluding remarks;
Acknowledgements; References; 5 Arabidopsis Fruit Development; 5.1
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mediolateral axis?; 5.8 A biotechnological view; Acknowledgements;
References
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7.5 Reduction in seed dispersal aids

Sommario/riassunto

Fruit development and seed dispersal are major topics within plant and crop sciences research with important developments in research being reported regularly. Drawing together reviews by some of the world's leading experts in these areas, the Editor of this volume, Lars Ostergaard has provided a volume which is an essential purchase for all those working in plant and crop sciences worldwide.
