

1. Record Nr.	UNINA9910960856803321
Titolo	The future role of pesticides in US agriculture / / Committee on the Future Role of Pesticides in US Agriculture, Board on Agriculture and Natural Resources and Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2000
ISBN	9786612083785 9780309172943 0309172942 9781282083783 1282083783 9780309503839 0309503833
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xx, 301 pages)
Disciplina	632/.95/0973
Soggetti	Pesticides - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Cover""; ""Front Matter""; ""Preface""; ""Acknowledgments""; ""Contents""; ""TABLES, FIGURES, AND BOXES""; ""Executive Summary""; ""1 History and Context""; ""2 Benefits, Costs and Contemporary Use Patterns""; ""3 Economic and Regulatory Changes and the Future of Pest Management""; ""4 Technological and Biological Changes and the Future of Pest Management""; ""5 Evaluation of Pest-Control Strategies""; ""6 Conclusions and Recommendations""; ""APPENDIX A Selected National Research Council Publications About Pesticides""; ""APPENDIX B Workshop Agendas""; ""APPENDIX C About the Authors""; ""Index""
Sommario/riassunto	Although chemical pesticides safeguard crops and improve farm productivity, they are increasingly feared for their potentially dangerous residues and their effects on ecosystems. The Future Role of Pesticides explores the role of chemical pesticides in the decade ahead and identifies the most promising opportunities for increasing the benefits

and reducing the risks of pesticide use. The committee recommends R&D, program, and policy initiatives for federal agriculture authorities and other stakeholders in the public and private sectors. This book presents clear overviews of key factors in chemical pesticide use, including: Advances in genetic engineering not only of pest-resistant crops but also of pests themselves. Problems in pesticide use--concerns about the health of agricultural workers, the ability of pests to develop resistance, issues of public perception, and more. Impending shifts in agriculture--globalization of the economy, biological "invasions" of organisms, rising sensitivity toward cross-border environmental issues, and other trends. With a model and working examples, this book offers guidance on how to assess various pest control strategies available to today's agriculturist.
