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Autore	Carpani, Giuseppe <1752-1825>
Titolo	Lettere inedite a Isabella Teotochi Albrizzi
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Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1989
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Descrizione fisica	1 online resource (184 pages) : illustrations
Altri autori (Persone)	BurrisRobert H <1914-> (Robert Harza)
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Nota di contenuto	1 Front Matter; 2 1 Executive Summary; 3 2 Introduction; 4 3 Past Experience with Genetic Modification of Plants and Their Introduction into the Environment; 5 4 Enhanced Weediness: A Major Environmental Issue; 6 5 Past Experience with the Introduction of Modified Plants: Molecular Genetic Techniques; 7 6 Conclusions and Recommendations: Plants; 8 7 Past Experience with the Introduction of Microorganisms into the Environment; 9 8 Properties of the Genetic Modification; 10 9 Phenotypic Properties of Source Microorganisms and Their Genetically Modified Derivatives; 11 10 Properties of the Environment Relevant to the Introduction of Genetically Modified Microorganisms; 12 11 Conclusions and Recommendations: Microorganisms; 13 Appendix - Historical Overview of Nucleic Acid Biotechnology: 1973 to 1989; 14 Literature Cited; 15 Information on Committee Members
Sommario/riassunto	Potential benefits from the use of genetically modified organisms--such as bacteria that biodegrade environmental pollutants--are enormous. To minimize the risks of releasing such organisms into the environment, regulators are working to develop rational safeguards. This volume provides a comprehensive examination of the issues surrounding testing these organisms in the laboratory or the field and a practical framework for making decisions about organism release. Beginning with a discussion of classical versus molecular techniques for genetic alteration, the volume is divided into major sections for plants and microorganisms and covers the characteristics of altered organisms, past experience with releases, and such specific issues as whether plant introductions could promote weediness. The executive summary presents major conclusions and outlines the recommended decision-making framework.