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Titolo	Gene flow : monitoring, modeling and mitigation / / edited by Wei Wei and C. Neal Stewart, Jr
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Descrizione fisica	1 recurs en línia (230 pàgines)
Disciplina	631.5/233
Soggetti	Conreus - Enginyeria genètica Gene flow Crops - Genetic engineering Plantes transgèniques Biosecurity Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. -- Assessing environmental impact of pollen-mediated transgene flow -- ; Chapter 2. -- Indirect methods for monitoring and modeling gene flow in natural plant populations -- ; Chapter 3. -- Challenges for monitoring (trans)gene-flow in the environment -- ; Chapter 4. -- Transgenic poplar gene flow monitoring in China -- ; Chapter 5. -- Monitoring gene flow from genetically modified soybean to cultivated soybean and wild soybean in China -- ; Chapter 6. -- Monitoring herbicide resistance gene flow in weed populations -- ; Chapter 7. -- Modeling gene flow from genetically modified plants -- ; Chapter 8. -- Controlling transgene flow from engineered crops to unintended hosts by molecular approaches -- ; Chapter 9. -- Gene flow mitigation by ecological approaches -- ; Chapter 10. -- Containment strategies for synthetic gene drive organisms and impacts on gene flow.
Sommario/riassunto	This book discusses gene flow of transgenes from genetically modified organisms into nature, with a focus on monitoring, modelling and

mitigation. It includes both scientific reviews and perspectives on gene flow and experimental case studies, for example, gene flow of soyabean and poplar.