

1. Record Nr.	UNINA9910779894503321
Titolo	The bioengineered forest : challenges for science and society // edited by Steven H. Strauss and H.D. (Toby) Bradshaw
Pubbl/distr/stampa	Routledge, , 2010
ISBN	1-136-52570-X 1-936331-35-7 1-136-52571-8
Edizione	[1st edition.]
Descrizione fisica	xxv, 245 p. : ill
Altri autori (Persone)	StraussSteven H. <1955-> BradshawH. D. <1957->
Disciplina	634.9
Soggetti	Forestry biotechnology Trees - Biotechnology Forest products - Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"An RFF Press book." A revised and updated selection of papers from a symposium held July 2001 in Stevenson, Wash., plus additional papers.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Economic and technological choices -- pt. 2. Ethical, social, and ecological caveats.
Sommario/riassunto	Bioengineering offers many opportunities for forestry. Bioengineered trees can produce more valuable wood, help reclaim contaminated land, improve the health of urban trees, and facilitate pest management. But the ecological risks are complex, and public views about the ethical acceptability of genetic engineering vary widely. Unique in its breadth and diversity, The Bioengineered Forest begins with a survey of the range of forestry practices for which the use of biotechnologies might be appropriate. Scholars representing diverse academic perspectives and viewpoints examine in depth the economic and environmental rationale for forest biotechnologies and the current state of technology with respect to gene performance and safety. They consider the contemporary political and economic environment in which bioengineering is being introduced and where the 'genomic revolution' might take forestry and genetic engineering in the future.

The Bioengineered Forest presents compelling arguments in favor of genetic engineering. Just as powerfully, it examines the significant technical and legal hurdles involved in genetic engineering, the undesirable environmental and social consequences that might result from its misapplication, and the risks for businesses that are looking too exclusively for near-term benefits.
