

1. Record Nr.	UNINA9910787578903321
Titolo	Compendium of bioenergy plants : corn // editors: Stephen L. Goldman, Plant Science Research Center, The University of Toledo, Ohio, USA, Chittaranjan Kole, Vice-Chancellor, Bidhan Chandra Agricultural University, West Bengal, India
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2014] ©2014
ISBN	0-429-07577-4 1-4822-1058-4
Descrizione fisica	1 online resource (394 p.)
Collana	Compendium of bioenergy plants
Disciplina	631.5/233
Soggetti	Corn - Genetic engineering Energy crops
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Basic information on maize / Barry D. Solomon, James Birchler, Stephen L. Goldman and Qiong Zhang -- 2. Basic biological research relevant to feedstock conversion / Roman Brunecky, Bryon S. Donohoe, Michael J. Selig, Hui Wei, Michael Resch and Michael E. Himmel -- 3. Special requirements : agricultural and industrial infrastructure / Luis E. Rincon, Carlos A. Cardona and Carlos E. Orrego -- 4. Bioenergy-related traits and model systems / Hugh Young, George Chuck and Ludmila Tyler -- 5. Molecular genetics of bioenergy traits / Michael G. Muszynski and Marna D. Yandean-Nelson -- 6. Molecular breeding for bioenergy traits / Brandon Jeffrey and Thomas Lubberstedt -- 7. Genomics resources / Eugenia Barros and E. Jane Morris -- 8. Genome sequencing : past and present / W. Brad Barbazuk and Wenbin Mei -- 9. Concerns of and compliance to using corn as a bioenergy crop / Siwa Msangi and Rodomiro Ortiz -- 10. Legal and regulatory issues in the US / Jay P. Kesan and Timothy A. Slating -- 11. Social issues : biofuel use of corn and other foods are causing malnutrition in the world / David Pimentel and Michael N. Burgess -- 12. Maize, ethanol and US policies : a volatile mixture / Lehman B. Fletcher -- 13. Future prospects for corn

as a biofuel crop / Kenneth J. Moore, Douglas L. Karlen and Kendall R. Lamkey.
