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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.

Sommario/riassunto

This book evaluates maize as a bioenergy fuel source from two perspectives. It explores whether the input energy needed to generate fuel significantly exceeded by the energy harvested. In examining this issue, the chapters provide assessments of the social, economic, and political impact on fuel pricing, food costs, and the environmental challenge
