



# **Sustainable Ethanol: Biofuels, Biorefineries, Cellulosic Biomass, Flex-Fuel Vehicles, and Sustainable Farming for Energy Independence**

*Jeffrey Goettemoeller, Adrian Goettemoeller*

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Sustainable Ethanol goes beyond the headlines, uncovering the benefits and limitations of North America's fuel ethanol industry. Ethanol production and use are becoming more efficient and less reliant on fossil fuel inputs. Learn about the technologies making ethanol make sense for our environment, economy, and security. Discover how the end of cheap oil is providing an opening for biofuels; how some cars get better fuel economy on 10% ethanol compared to ethanol-free gasoline; how the next generation of flex-fuel and hybrid electric vehicles could be optimized to get much better fuel economy on ethanol; how North America can produce significant quantities of biofuels without damaging our food production capacity; how sustainable farming methods are reducing ethanol's reliance on fossil fuels; and how cellulosic ethanol can be made from waste materials and soil-restoring perennial crops.

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