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Sommario/riassunto	This book covers all facets involving the production and use of ethanol. Topics include the optimization of raw materials, energy, capital, process model-based computer control, and human resources to produce ethanol. It compares and contrasts processes to prepare ethanol using biotechnology processes to prepare ethanol from chemical synthesis. Matters of optimization of ethanol use as fuel/fuel components are addressed based on thermodynamics, kinetics, and usage. It also discusses pollutants produced from ethanol and mixtures containing ethanol, the status of ways to control these pollutants, and what can be done to minimize the harm to the earth's ecosystems due

to ethanol and gasoline reactions.