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Nota di contenuto	A spotlight on the economic and statistical data of the international and Italian hop sector -- Hop Botany and Physiology -- The evolution of hop breeding: Integrating molecular markers and genomic insights -- Hops cultivation and production -- Hop Diseases: Characteristics and Management -- Entomology of Hops (Pests) -- Post-harvest Hop Waste Management -- Spent Hops: Utilisation, Impact, and Future Prospects -- Hop chemistry and biochemistry -- Sustainable hop extracts for food and non-food applications -- Humulus lupulus L.: pharmacological properties and medicinal use.
Sommario/riassunto	For centuries, Humulus lupulus—more commonly known as hops—has been a fundamental ingredient in the brewing process. However, the true complexity of this plant, and its wide-reaching implications for agriculture, medicine and biotechnology, has yet to be explored. This

comprehensive volume thus brings together cutting-edge research and classical knowledge, offering an in-depth exploration of hop biology, phytochemistry, cultivation, and emerging uses. All About Hops: The Crop, its Cultivation, and its Uses in Brewing and Beyond covers the taxonomy and genetics of H. lupulus, as well as topics on disease resistance, pest management, and other modern cultivation techniques for climate resilience. The pharmacological properties and potential therapeutic applications of hops will also be explored. Whether you're a botanist, agronomist, brewer, or natural product researcher, this book is an essential reference that reveals the scientific depth and potential of this unique plant.