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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Introduction -- Chapter 1. History -- 1.1. The different types of kelp -- 1.2. Historical applications -- Chapter 2. Traditional Applications of Algae in the Cultivation Plants -- 2.1. Uses for soil amendment -- 2.2. Soil fertilization -- 2.3. Improvement of composts for agricultural use -- Chapter 3. Biostimulation Activities on Plant Productions -- 3.1. Stimulation of growth -- 3.2. Tolerance to water stress -- 3.3. Tolerance to salt stress -- 3.4. Tolerance to thermal stress -- 3.5. The quality of the products -- Chapter 4. Feeding of Livestock -- 4.1. Ruminant nutrition -- 4.2. Pig nutrition -- 4.3. Horse nutrition -- 4.4. Poultry nutrition -- 4.5. Nutrition of rabbits -- 4.6. Nutrition of animals produced by aquaculture -- 4.6.1. Fish -- 4.6.2. Mollusks -- 4.6.3. Crustaceans -- 4.6.4. Echinoderms -- Chapter 5. The Biological Activities of Algae in Plant or Animal Health -- 5.1. Antiparasitic and antimicrobial activities -- 5.1.1. Plant parasites and pathogens -- 5.1.2. Animal parasites and pathogens -- 5.2. Induction of plant defense mechanisms -- 5.2.1. The hypersensitivity reaction -- 5.2.2. Other mechanisms -- 5.3. Activation of the immune system -- 5.3.1. The case of fish raised by aquaculture -- 5.3.2. Other aquaculture

	animals -- 5.3.3. The case of terrestrial livestock -- Conclusion -- References -- Index -- EULA.
Sommario/riassunto	This book explores the role of algae in agrobiology, highlighting its historical and contemporary applications in agriculture and livestock breeding. Algae have been used traditionally for soil amendment and fertilization, contributing to crop production, particularly in European coastal regions. The book delves into the biological activities of algae, including its impact on plant growth, stress tolerance, and defense mechanisms, as well as its nutritional benefits in animal feed, enhancing zootechnical performance and health. Aimed at researchers and practitioners in agriculture and biology, the book emphasizes algae's significance in sustainable practices and ecological production, aligning with agrobiological and organic agriculture goals.