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Nota di contenuto	Introduction -- Basic theory of radar polarimetry -- Vegetation models: Empirical and Theoretical approaches -- Evolution of Semi-empirical approach: Modeling and Inversion -- Biophysical parameter retrieval using full and dual-pol SAR data -- Biophysical parameter retrieval using compact-pol SAR data -- Radar vegetation indices for crop growth monitoring -- Summary and Conclusions.
Sommario/riassunto	This book presents a timely investigation of radar remote sensing observations for agricultural crop monitoring and advancements of research techniques and their applicability for crop biophysical parameter estimation. It introduces theoretical background of radar scattering from vegetation volume and semi-empirical modelling approaches that are the foundation for biophysical parameter inversion. The contents will help readers explore the state-of-the-art crop monitoring and biophysical parameter estimation using approaches radar remote sensing. It is useful guide for academicians, practitioners

and policymakers.