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Nota di contenuto	Chapter1: Why This Book? -- Chapter2: Food Security – the 21st Century Issue -- Chapter3: Operational Satellites for Earth Monitoring -- Chapter4: Vegetation Health Method -- Chapter5: Monitoring Drought from Space and Food Security -- Chapter6: Vegetation Health-based Modeling Crop Yield and Food Security Prediction -- Chapter7: Vegetation Health for Insuring Drought-Related Yield Losses and Food Security Enhancement -- Chapter8: Advanced VH-based Long-Term Drought and Food Security Prediction -- Chapter9: Climate Change and Food Security Current and Future -- Chapter10: Application of Vegetation Health Data and Products for Monitoring Food Security.
Sommario/riassunto	This volume gathers a variety of applications for remote sensing of

vegetation health (VH) and concretely shows how this information can be used in service of ending hunger and of ensuring future food security. In this book’s ten chapters, Dr. Felix Kogan, one of the most prolific scientists in this sphere, shows how a new VH method, designed from operational environmental satellite data, can be used to provide advanced predictions of agricultural losses, helping to enhance food security and reducing the number of hungry people. Topics covered include the scientific basis of the VH method, drought monitoring, prediction of short-term agricultural yield and crop insurance, and impacts of long term climate variability an change on food security. Short discussion on VH for human health-related topics such as detection and prediction of malaria and fire risk is included, as well. .