Managing Agricultural Greenhouse Gases: Coordinated Agricultural Research through GRACEnet to Address Our Changing Climate


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Advances in technology while providing key information on the advantages and disadvantages associated with the varying methods used to measure GHG flux. Section 6 provides details on policy scenarios and economic outcomes associated with GHG mitigation including GHG trading markets and landowner participation. The final section, Section 7, provides insight into key research areas facing agriculture in the future, noting the need of GRACEnet scientists to collaborate and communicate with other research networks and discussing further efforts that will improve our understanding of agricultural GHGs, particularly as related to mitigation strategies.

The book provides detailed tables and figures of pertinent data within each chapter, followed by an extensive citation list for the reader to reference. While the information in this book focuses primarily on USDA–ARS GRACEnet sites, the authors provide sufficient references from other sources for the reader to delve deeper into the topic of agricultural GHGs. The book is extremely well written and should be of interest to professionals as well as to advanced graduate students interested in agricultural GHG dynamics. The text provides easy access to a wide range of topics associated with agricultural GHGs and would be a relevant addition to any scientist working on the management of GHGs from agricultural sources, particularly those scientists with interests in the agricultural production systems commonly found in the United States.