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The Impact of Genetically Engineered Crops on Farm Sustainability in the United States (Paperback)

By Committee on the Impact of Biotechnology on Farm-Level Economics and Sustainability, Board on Agriculture and Natural Resources, Division on Earth and Life Studies

National Academies Press, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book. Since genetically engineered (GE) crops were introduced in 1996, their use in the United States has grown rapidly, accounting for 80-90 percent of soybean, corn, and cotton acreage in 2009. To date, crops with traits that provide resistance to some herbicides and to specific insect pests have benefited adopting farmers by reducing crop losses to insect damage, by increasing flexibility in time management, and by facilitating the use of more environmentally friendly pesticides and tillage practices. However, excessive reliance on a single technology combined with a lack of diverse farming practices could undermine the economic and environmental gains from these GE crops. Other challenges could hinder the application of the technology to a broader spectrum of crops and uses. Several reports from the National Research Council have addressed the effects of GE crops on the environment and on human health. However, *The Impact of Genetically Engineered Crops on Farm Sustainability in the United States* is the first comprehensive assessment of the environmental, economic, and social impacts of the GE-crop revolution on U.S. farms. It addresses how GE crops have affected U.S. farmers, both adopters and...



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