

# Contents

- 1 Overview and Policy Implications 1**
  - U.S. Agricultural Research and Extension System 2
  - The Changing Environment for Agricultural Research 4
  - Conclusions 5
  
- 2 Purposes of the Agricultural Research and Extension System 15**
  - Implementation of the Purposes 17
  - Relevance and Accountability: Key Challenges and Perspectives 19
  - Approaches to Accomplishing Purposes 21
  
- 3 National Research Initiative Competitive Grants Program 25**
  - NRICGP in Relation to USDA's Research Portfolio and the Federal Extramural Research System 26
  - Implementation 28
  
- 4 Sustainable Agriculture Research and Education 53**
  - Implementation 55
  - The Place of Sustainable Agriculture in USDA's Overall Program 59
  - Perspectives on Sustainable Agriculture 60
  
- 5 Alternative Agricultural Research and Commercialization 63**
  - Alternative Agricultural Research and Commercialization (Subtitle G) 64
  - Agricultural Science and Technology Review Board (Section 1605) 67
  
- 6 Financing, Organizing, and Managing the Agricultural Research Portfolio 69**
  - Basis for Government Intervention in Research 70
  - Government Role in Agricultural Research 80
  
- References 87**