

Contents

<i>Chapter</i>	<i>Page</i>
1. Summary.....	3
Part I: The Emerging Technologies	
Z. Emerging Technologies for Agriculture....,	27
3. impacts of Emerging Technologies on Agricultural Production	75
Part II: The Changing Structure of American Agriculture	
4. Dynamic Structure of Agriculture.....	91
5. Factors Contributing to Structural Change in Agriculture ., , .,	109
Part III: Analyses of Technology, public Policy, and Agricultural Structure	
6. Emerging Technologies and Agricultural Structure ,	123
7. Impacts of Agricultural Finance and Credit , ., .,, ., .,	137
8. Emerging Technologies, Public Policy, and Various Size Crop Farms , .	163
9. Emerging Technologies, Public Policy, and Various Size Dairy Farms .	189
10. Impacts on the Environment and Natural Resources. , , . . . , ., .,	205
11. Impacts on Rural Communities . . . , , , ., .,, . . . ,	221
12. Impacts on Agricultural Research and Extension. , ., ., ., ., ., ., ., ., ., .	253
Part IV: Implications and Policy Options for Agriculture	
13. Implications and Policy Options for Agriculture , , ., ,,	285
Appendixes	
A: Animal and Plant Technology Workshop Methodology and Procedures , , ,	297
B: U.S. Regional Agricultural Sales by Sales Class and Commodity , ... , . .	305
C: Participants in OTA Workshops ... , , ., ., ., .,	310
D: Analysis of Size Economies and Comparative Advantage in Crop Production in Various Areas of the United States ., ., ., ... , ... , ... , ., .	317
E: Methodology and Detailed Results of Macroeconomic Impacts of Technology and Public Policy for Crop Farms , ,	333
F: Detailed Results of Macroeconomic Impacts of Technology and Public Policy on Dairy Farms , ,	348
G: Workgroups, Background Papers, and Acknowledgments	358
Index , , , , , , , ,	369