

Contents

Targeting Environmental Priorities in Agriculture: Reforming Program Strategies 1

Executive Summary 1

Agroenvironmental Quality: Present and Future

Directions 3

Rationales for Federal Role in Agroenvironmental
Quality 4

State and Local Roles 8

Identifying Agroenvironmental Priorities 9

Agriculture and Surface Water Quality 11

Agriculture and Wildlife Habitat 17

Agriculture and Soil Quality 23

Environmental Priorities as Program Targets 27

Devising Strategic Programs for Agroenvironmental
Priorities 32

Spreading Complementary Technologies 33

Shifting Management Practices through Public
Incentives or Disincentives 38

Retiring Farm Land from Commercial Use 40

Surface Water Quality Illustration 42

Wildlife Illustration 44

Soil Quality Illustration 47

Conclusions and Policy Implications 49

Appendix A: Additional Priority Areas Identified by OTA 51

Rangelands 51

Water Conservation 53

Groundwater Priorities 54

Rural Landscapes 55

Wetlands and Riparian Areas 56

Plant Diversity and Insect Diversity 57

**Appendix B: Overlapping Priority Areas
Identified by the Expert Panel 59**

**Appendix C: Environment Expert Panel,
Reviewers and Acknowledgements 61**

Environment Expert Panel 61

Reviewers 62

Acknowledgments 62

**Appendix D: Characteristics of Land
in the Priority Areas 63**

References 67