

## Appendix C<sup>1</sup>

### Commissioned Papers

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#### *Overviews*

##### **Primer on Hydrogeology**

Susan J. Wintsch  
Clay Minerals Society  
Bloomington, IN

##### **Introductory Overview**

Stuart Z. Cohen  
Biospherics, Inc.  
Beltsville, MD

#### ***Strategies To Reduce Pesticide and Nutrient Contamination of Groundwater***

##### **Farmstead Assessments: A Means To Manage Farm Sources of Groundwater Contamination of Groundwater**

Gary Jackson  
Bruce Webendorfer  
Susan A. Jones  
University of Wisconsin  
Madison, WI

##### **Improving Pesticide Management Practices**

Franklin Hall  
Ohio State University  
Wooster, OH

##### **Integrated Pest Management: Potential for Reducing Agrichemical Contamination of Groundwater**

Frank G. Zalom  
Michael Stimman  
Janet Smilanick  
University of California Statewide IPM Project  
Davis, CA

##### **Legumes as a Nitrogen Source: Implications for Nitrate Contamination of Groundwater**

Gary Heichel  
University of Illinois  
Urbana, IL

##### **Improving Livestock and Poultry Management Practices To Reduce Nutrient Contamination of Groundwater**

John M. Sweeten  
Texas A&M University  
Lubbock, TX

##### **Sludge, Slurry, and Compost: Management of Land Application**

James A. Moore  
Oregon State University  
Corvallis, OR

##### **Irrigation/Chemigation: Implications for Agrichemical Contamination of Groundwater**

E. Dale Threadgill  
University of Georgia  
Athens, GA

##### **Agrichemical Application Technology: Potentials To Reduce Groundwater Contamination**

Maurice Gebhart  
U.S. Department of Agriculture/Agricultural Research Service  
Columbia, MO

#### ***Farmer Decisionmaking and Technical Assistance To Reduce Agrichemical Contamination of Groundwater***

##### **Farmers' Views on Groundwater Quality: Concerns, Practices, and Policy Preferences**

Steven Padgett  
Iowa State University  
Ames, IA

##### **Farmer Adoption of Conservation Practices: Lessons for Groundwater Protection**

Ted Napier  
Ohio State University  
Columbus, OH

##### **Local Agricultural Information and Assistance Networks Relative to Ground Water Protection**

Peter J. Nowak  
University of Wisconsin  
Madison, WI

##### **Agricultural Best Management Practices: Implications for Groundwater Protection**

Terry J. Logan  
Ohio State University  
Columbus, OH

##### **Low-Input/Sustainable Agriculture Research and Education: A Review of Selected Private Organizations' Activities**

Ron Kroese  
Mary Turck  
Land Stewardship Project  
Marine, MN

##### **Holistic Resource Management as a Groundwater Protection Strategy in Agriculture**

Cliff Montagne  
Brian W. Sindelar  
Ronald R.H. Kroos  
James W. Bauder  
Patrick C. Jobes

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<sup>1</sup> Microfiche or paper copies of commissioned papers may be available from the U.S. Department of Commerce, National Technical Information Service (NTIS), Springfield, VA 22161. In ordering, the paper author, title, assessment title, and Office of Technology Assessment should be specified.

James R. Sims  
Montana State University  
Bozeman, MN

**Computer-Based Decision Support Systems for  
Farmers: Applications for Groundwater Protection**

Roy Black  
Bernard Knezek  
Michigan State University  
East Lansing, MI

**The Role of Retail Fertilizer Dealers in Reducing  
Groundwater Contamination: A Focus on  
Educational Needs**

Ronald J. Williams  
James M. Ranson  
Tennessee Valley Authority/National Fertilizer &  
Environmental Research Center  
Muscle Shoals, AL

**Extension Education for Agrichemical Dealers**

Keith Kelling  
Keith Wedberg  
University of Wisconsin  
Madison, WI

***Public Influences on Agrichemical  
Contamination of Groundwater***

**Agriculture/Environment organization, Coordination,  
and Systems**

Terry J. Nipp  
National Association of State Universities and Land  
Grant Colleges  
Washington, DC

**The Federal Role in Reducing Agrichemical  
Contamination of Ground Water**

Laura A. Dye  
Private Consultant  
Washington, DC

**Disciplinary Integration in Agricultural Research**

Harry Kunkel  
Texas A&M University  
College Station, TX

**Systems Approaches in Agricultural Research:  
Applications for Groundwater Protection**

A. Dale Whittaker  
Texas A&M University  
College Station, TX

**Integrating Agriculture and Environment in  
Education**

Richard Merritt  
University of California-Davis  
Davis, CA

**Mapping Groundwater Vulnerability to Agricultural  
Uses on a National Scale in a Geographic Information  
System**

Margaret Maizel  
Kelly Chan  
National Center for Resource Innovations  
Washington, DC