



THE PESTICIDE STEWARDSHIP ALLIANCE
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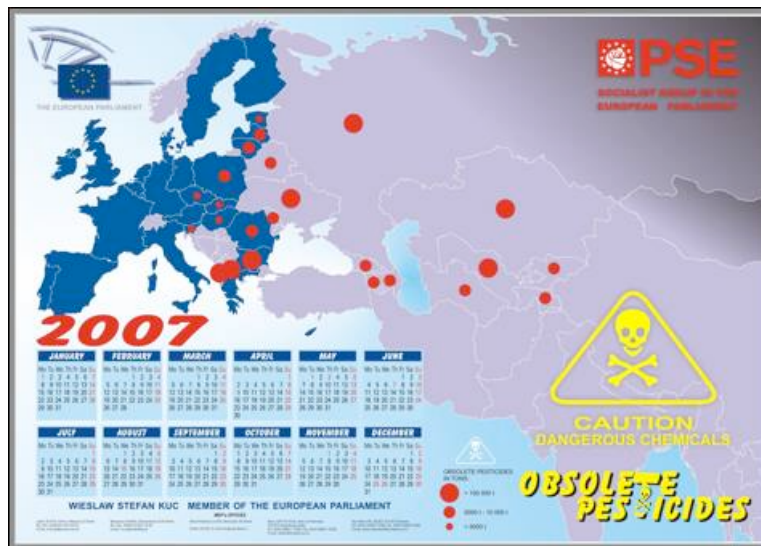
PROGRAM & SPEAKER DETAILS

PLENARY:

How Europe Is Dealing with its Stocks of Obsolete Pesticides

John Vijgen

IHPA, International HCH and Pesticides Association



Abstract of Presentation: How is Europe dealing with the huge stocks of obsolete pesticides in the new European Union (EU) member countries and in the neighboring Caucasus and Central Asia? How big is the problem? Is there enough political momentum to eradicate the problem from the continent? What are the political dynamics? What is the role of the European Union (EU)? What infrastructure exists for pesticide collection and disposal? How does the European situation compare with what is going on in the United States and elsewhere? How are collection and disposal programs supported? What role could TPSA play in building a critical momentum of support for collection programs internationally, in the Central and Eastern Europe region, and in the United States?

The presentation will feature the US premier of short videos and photos from Eastern Europe and the EU.



Biographical summary: John Vijgen was born in Heerlen, The Netherlands, and educated as a Civil Engineer at the Technical University of Aachen, Germany. He has been working on pesticide clean-up since 1988 when his efforts to clean-up HCH and Lindane in the Netherlands resulted in decontamination of 200,000 tons of HCH-contaminated soils.

In 1998 Vijgen founded the International HCH & Pesticides Association (IHPA) with the objective of eliminating obsolete pesticides in Central and Eastern Europe, the Caucasus and the Central Asia Republics, and providing an international forum for solving the problem of obsolete pesticides. Currently he is leading the EU Phare project, supervising the disposal of pesticide wastes and providing technical assistance to prevent further accumulation of obsolete pesticides in Romania.

ENHANCING PESTICIDE PRODUCT LIFE CYCLE STEWARDSHIP

7TH ANNUAL WORKING CONFERENCE ON PESTICIDE STEWARDSHIP – FEBRUARY 25-28, 2007

CONCURRENT SESSIONS & ROUNDTABLE DISCUSSIONS

(Listed in alphabetical order)

SESSION TOPIC	SPEAKERS
<p>ASSESSING AND REDUCING AGROCHEMICAL MOVEMENT TO AIR AND WATER</p> <p>SESSION VII-B. TUESDAY 3:30-5:30P</p> <p>MODERATOR: VINCE HEBERT, DIRECTOR, WASHINGTON STATE UNIVERSITY'S FOOD AND ENVIRONMENTAL QUALITY LABORATORY</p>	<p>Overview of the Symposium Vince Hebert, Washington State University (5 minutes)</p> <p>MITC Release from Cantara Loop Metam Sodium Spill: Environmental and Atmospheric Implications Glenn Miller, Professor of Natural Resources and Environmental Sciences, University of Nevada, Reno (20 minutes)</p> <p>Determination of Ambient Methyl isothiocyanate Residues in Indoor and Outdoor Air: Implications for Human Exposure Near Fields Treated for Metam Sodium James Woodrow, Research Scientist, Natural Resources and Environmental Sciences, University of Nevada, Reno (20 minutes)</p> <p>What Can Be Done to Increase Efficacy While Reducing Off-Target Movement: An Examination of Two Pacific Northwest Pesticide Application Case Studies Vince Hebert, Washington State University (20 minutes)</p> <p>Long Distance Herbicide Transport in the Pacific Northwest Gail Amos, Pesticide Management Division, Washington State Department of Agriculture (20 minutes)</p> <p>DPR's Fumigation Regulation Initiative Dealing with VOC Reduction, Fumigant Mitigation, Public Notification Jerry Campbell, Assistant Director, Division of Pest Management, Environmental Monitoring, Enforcement, and Licensing, California Department of Pesticide Regulations (CDPR) (20 minutes)</p> <p>Panel Discussion (15 minutes)</p>
<p>"CAUSE MARKETING": DISCUSSION OF EPA DECISION TO ALLOW REGISTRANT'S PROMOTIONAL CAMPAIGN PLUG ON PESTICIDE LABELS</p> <p>MONDAY, LUNCHTIME ROUNDTABLE</p>	<p>Update and discussion of a currently emerging issue.</p>
<p>COMMUNICATING STEWARDSHIP</p> <p>SESSION V-B. TUESDAY 10:15-11:45A</p> <p>MODERATOR: PAT HIPKINS, VIRGINIA TECH PESTICIDE PROGRAMS</p>	<p>The Pesticide Environmental Stewardship (PES) Website Wayne Buhler, Department of Horticultural Science, North Carolina State University, and Carol Ramsay, Pesticide Education Specialist, Washington State University (30 minutes)</p> <p>The PAN Pesticides Database (www.pesticideinfo.org/) Susan Kegley, Senior Scientist, Pesticide Action Network, North America (PANNA) (30 minutes)</p> <p>Challenges and Successes of EPA's Pesticide Environmental Stewardship Program (PESP) in Communicating Stewardship Tom Brennan, US EPA OPP, Chief, Environmental Stewardship Branch, Biopesticides & Pollution Prevention Division, (15 min)</p> <p>Discussion: Gaps to Fill in Communicating Stewardship</p>

<p>ENVIRONMENTAL STEWARDSHIP TOUR OF THE LAKE TAHOE AREA WEDNESDAY, 8:30A-3:30P REGISTRATION REQUIRED \$50 REGISTRATION FEE INCLUDES LUNCH</p>	<p>TOUR LEADER: DR. GLENN MILLER, ENVIRONMENTAL SCIENCES, UNIVERSITY OF NEVADA AT RENO</p> <p>(See full Tour description on page 2 of this Program)</p>
<p>EPA'S CONTAINER-CONTAINMENT RULE: IMPLEMENTATION, CONCERNS & ISSUES BREAKFAST ROUNDTABLE WEDNESDAY 7:15-8:15A</p>	<p>Discussion of questions and concerns from the States and industry about implementation of US EPA's container rule (continuing from Concurrent Session VII, Tuesday).</p> <p>MODERATOR: NANCY FITZ, CHEMICAL ENGINEER, US EPA OPP</p>
<p>GETTING STEWARDSHIP INFORMATION TO END-USERS: WHAT PATH SHOULD WE TAKE?</p> <p>SESSION II-B. MONDAY 1-2:30P</p> <p>MODERATOR: JOE HOFFMAN, WASTE PESTICIDE PROGRAM COORDINATOR, WASHINGTON STATE DEPARTMENT OF AGRICULTURE</p>	<p>A moderated discussion of alternative approaches to communicating end-of-pesticide-life stewardship options for end-users, with brief presentations:</p> <p>Historical Context for TPSA's Involvement with Earth 911 & Pesticide Disposal Outreach Joe Hoffman, Washington State Department of Agriculture</p> <p>Costs Realities of the Earth 911 System Paul Hughes, Director of Corporate Development for Global Alerts, parent company of Earth 911</p> <p>Putting Disposal Information on the Pesticide Label Nancy Fitz, Chemical Engineer, US EPA OPP</p> <p>An Alternative Approach to Reaching the Public with Information about Disposal – the PES Website Wayne Buhler, North Carolina State University</p>
<p>IMPLEMENTING EPA'S PESTICIDE CONTAINER-CONTAINMENT RULE</p> <p>SESSION VII-A. TUESDAY 3:30-5:30P</p> <p>MODERATOR: JACK PETERSON, ENVIRONMENTAL SERVICES DIVISION, ARIZONA DEPT. OF AGRICULTURE, AND PRESIDENT, ASSOCIATION OF AMERICAN PESTICIDE CONTROL OFFICIALS (AAPCO)</p>	<p>EPA's Pesticide Container Recycling Rule: Objectives, Status and Issues Nancy Fitz, Chemical Engineer, US EPA OPP (40 minutes)</p> <p>Viewpoint from the States: Issues and Concerns Liza Fleeson, Environmental Program Planner, Virginia Department of Agriculture and Consumer Services (15 minutes)</p> <p>Viewpoint from Industry: Issues and Concerns Laurine Speltz, Manager, Regulatory Compliance, BASF Corporation (15 min)</p> <p>Panel and Open Discussion: Implementation Issues & Concerns (discussion will continue Wed. at 7:15a Breakfast Roundtable)</p>
<p>MAKING TPSA A PESTICIDE DISPOSAL INFORMATION CLEARINGHOUSE: ACTION STEPS BREAKFAST ROUNDTABLE MONDAY 7-7:45A</p>	<p>We will examine technical/promotional assistance options for a national clearinghouse on pesticide disposal and make action recommendations for 2007.</p> <p>MODERATOR: ROGER SPRINGMAN, MANAGER, WISCONSIN CLEAN SWEEP AND WORKER PROTECTION PROGRAMS, WISCONSIN DEPARTMENT OF AGRICULTURE</p>

<p>MEXICAN BORDER CASE STUDY OF OBSOLETE PESTICIDE DISPOSAL: WHAT WORKED & WHAT DID NOT?</p> <p>SESSION IV-B. TUESDAY 8:30-10A</p> <p>MODERATOR: DAN SCHWEITZER, SALES MANAGER, CARE ENVIRONMENTAL CORP.</p>	<p>Overview of the Collaborative Pilot to Remove Obsolete Pesticides from the Arizona-Mexico Border Region Mary Grisier, Pesticides Program, Communities & Ecosystems Division, US EPA Region 9, and James Polek, Enforcement Officer in the Waste Management Division of US EPA Region 9</p> <p>Mexican Government Perspective Jose Camalich, Sonora State Secretaría de Agricultura, Ganadería, Recursos Hidráulicos, Pesca y Acuacultura (SAGARHPA) [Department of Agriculture, Livestock, Water Resources, Fishing and Aquaculture]</p> <p>Arizona Government Perspective Jack Peterson, Environmental Services Division, AZ Dept. Agric.</p> <p>Contractor Perspective</p>
<p>PESTICIDE STEWARDSHIP IN CENTRAL/EASTERN EUROPE</p> <p>SESSION III-B. MONDAY 2:45-4:15P</p> <p>MODERATOR: MARGARET JONES, US EPA REGION 5, PESTICIDE PROGRAMS</p>	<p>Pesticide Stewardship in the Baltics Rob Denny, Arrowchase, Inc. (30 minutes)</p> <p>Strategy for Preventing Recurrence of Obsolete Pesticides in Romania John Vijgen, International HCA and Pesticides Association (IHPA) (30 minutes)</p> <p>Management and Destruction of Obsolete Pesticides in Ukraine: Project Update Margaret Jones, US EPA, and Victoria Lokhanska, Senior Research Assistant, National Agricultural University of Ukraine (NAUU) and Project Manager, Management and Destruction of Obsolete Pesticides in Ukraine (30 minutes)</p>
<p>PESTICIDE TRANSPORTATION & STORAGE</p> <p>SESSION VI-B. TUESDAY 1:45-3:15P</p> <p>MODERATOR: ROGER SPRINGMAN MANAGER, WISCONSIN CLEAN SWEEP AND WORKER PROTECTION PROGRAMS, WISCONSIN DEPT AGRICULTURE</p>	<p>Pesticide Storage Module of the Pesticide Environmental Stewardship (PES) Website Wayne Buhler, North Carolina State University</p> <p>Transport of Pesticide Hazardous Wastes Pat Romero, Transportation Specialist, Pipeline & Hazardous Materials Safety Administration, Western Region, US DOT</p> <p>Storage and Display of Retail Pesticides—The Armed Forces Pest Management Board's Technical Guide Tom Brennan, US EPA OPP, Chief, Environmental Stewardship Branch, Biopesticides & Pollution Prevention Division</p>
<p>RECYCLING AG PLASTICS (FILMS & RIGID PLASTICS): PROGRAMS & STRATEGIES</p> <p>SESSION IV-A. TUESDAY 8:30-10A</p> <p>MODERATOR: ROB DENNY, ARROWCHASE, INC.</p>	<p>Vision for a Total Ag Plastics Management Strategy Gail Amos, Washington State Department of Agriculture (15 min)</p> <p>Carrying out a Total Ag Plastics Management Program Lisa Friend, RE Sources for Sustainable Communities (15 minutes)</p> <p>Nuts and Bolts of Operating a Total Ag Plastics Management Program Dari and Allen Jongsma, Agri-Plas, Keizer, Oregon (15 minutes)</p> <p>Expanding Pesticide Container Recycling Programs to Include Containers from Other Ag Production Chemicals and Non-Ag Pesticides Don Gilbert, Environmental Specialist, Pennsylvania Department of Agriculture (10 minutes)</p> <p>Discussion: Building & Paying for a Sustainable Recycling Infrastructure (30 minutes)</p>

<p>RECYCLING & OTHER MARKETS FOR WASTE AG FILMS & OTHER PLASTICS</p> <p>SESSION III-A. MONDAY 2:45-4:15P</p> <p>MODERATOR: LOIS LEVITAN RECYCLING AG PLASTICS PROJECT, DEPARTMENT OF COMMUNICATION, CORNELL UNIVERSITY</p>	<p>Overview of Marketing Options and Constraints Lois Levitan, Recycling Ag Plastics Project, Cornell (20 minutes)</p> <p>Agri-Plas Facilities and Markets Dari and Allen Jongsma, Agri-Plas, Keizer, Oregon (20 minutes)</p> <p>Re-Manufacturing of Waste Ag Films and Rigid Plastics Chris Brough, IntegriCo Composites (20 minutes)</p> <p>Converting Plastic Waste-to-Fuel John Campbell, Safety and Environmental Systems Inc., distributor for Waste Technologies for Asia (20 minutes)</p> <p>Discussion: Developing Markets (10 minutes + Poster Sessions)</p>
<p>REORGANIZING THE REGULATORY AGENDA FOR PESTICIDES & WATER QUALITY: WHERE ARE THE STATES & EPA HEADED?</p> <p>SESSION I-B. MONDAY 10:15-11:45A</p> <p>MODERATOR: JACK PETERSON, ENVIRONMENTAL SERVICES DIVISION, ARIZONA DEPARTMENT OF AGRICULTURE AND PRESIDENT, ASSOCIATION OF AMERICAN PESTICIDE CONTROL OFFICIALS (AAPCO)</p>	<p>New Policy Context and the Resulting Relationships between States and Federal Agencies, from SFIREG and State (MN) Perspectives Joe Zachmann, Minnesota Dept Agriculture and Chair, SFIREG Water Quality/Pesticide Disposal Working Committee (30 minutes)</p> <p>Idaho Groundwater Protection Program and Planned Surface Water Protection Program Gary Bahr, Water Quality Section Manager, Idaho State Department of Agriculture (20 minutes)</p> <p>Industry Perspective on Pesticide and Water Quality Issues Brian Christensen, BCC, Inc. (a Syngenta subcontractor) (20 min)</p> <p>Discussion (20 minutes)</p>
<p>RESPONSES BY REGULATORS, COMMUNITIES AND LAWMAKERS TO PESTICIDE POISONING</p> <p>SESSION I-A. MONDAY 10:15-11:45A</p> <p>MODERATOR: LOIS LEVITAN, ENVIRONMENTAL RISK ANALYSIS PROGRAM, CORNELL UNIVERSITY</p>	<p>Exposure to Agricultural Pesticide Drift in California: Putting the Numbers into a Social Context Jill Harrison, Assistant Professor of Rural Sociology, University of Wisconsin-Madison (25 minutes)</p> <p>New California Law Requiring Violators to Pay Uncompensated Medical Costs for Victims of Nonoccupational Pesticide Drift Regina Sarracino, California Dept of Pesticide Regulation (25 min)</p> <p>Community Air Monitoring for Airborne Pesticide Drift Susan E. Kegley, Senior Scientist, Pesticide Action Network, North America (PANNA); Katherine T. Mills, and Karl Tupper, PANNA (25 minutes)</p> <p>Discussion</p>
<p>STABILIZING PESTICIDE CONTAINER RECYCLING IN THE UNITED STATES</p> <p>SESSION VI-A. TUESDAY 1:45-3:15P</p> <p>MODERATOR: DON BRADLEY, MURRAY EQUIPMENT, INC.</p>	<p>EPA's Proposed Container Recycling Rule: Objectives, Status, Issues at Stake Jeanne Kasai and Nancy Fitz, US EPA OPP (30 minutes)</p> <p>ACRC: Improving Sustainability of Container Recovery Ron Perkins, Executive Director, Ag Container Recycling Council (ACRC) (15 minutes)</p> <p>Implications of the Proposed EPA Rule from Vantage of a non-ACRC Pesticide Container Recycling Program Scott McKinnie, President, Far West Agribusiness Assoc. (10 min)</p> <p>Montana Leonard J. Berry, Pesticide Program Manager, Montana Dept Agriculture (10 minutes)</p> <p>Idaho Gary Bahr and Vic Mason, Idaho Dept Agriculture (10 minutes)</p> <p>Discussion: Stabilizing Container Recycling (15 minutes)</p>

<p>STEWARDSHIP DIRECTIONS FOR REDUCING PESTICIDE SPRAY DRIFT</p> <p>SESSION II-A. MONDAY 1-2:30P</p> <p>MODERATOR: CAROL RAMSAY, PESTICIDE EDUCATION SPECIALIST, WASHINGTON STATE UNIVERSITY</p>	<p>EPA's Plans for Testing Drift Reduction Technologies in 2007 Jay Ellenberger, US EPA FEAD (15 minutes)</p> <p>JABR and Farmscan—How Industry Moves to Meet the Needs of the Times Rhett Heffernan, Combined Airwork, Australia (15 minutes)</p> <p>Are Label Restrictions and State Regulations Deterring Ingenuity? Will Smart, Greenleaf Technologies, Covington, Louisiana (15 min)</p> <p>AAPCO Pesticide Drift Enforcement Survey & Related State Regulatory Issues <http://aapco.ceris.purdue.edu/htm/survey.htm> Dave Scott, AAPCO Repres., Indiana State Chemist Office (15 min)</p> <p>Label Language and Product Stewardship Brian Bret, State Regulatory Manager, Dow AgroSciences (10 min)</p>
<p>TPSA'S FUTURE: BUILDING BRIDGES INTERNATIONALLY, BECOMING A GLOBAL STEWARDSHIP ORGANIZATION</p> <p>BREAKFAST ROUNDTABLE TUESDAY 7:15-8:15A</p>	<p>Discuss the vision and action steps needed for TPSA to fully become an international pesticide stewardship organization.</p> <p>MODERATOR: Don Mullins, TPSA Board Member</p>
<p>TPSA'S FUTURE: HELP TPSA SELECT KEY PROJECTS FOR 2007!</p> <p>BREAKFAST ROUNDTABLE WEDNESDAY 7:15-8:15A</p>	<p>TPSA is a young organization and still a small one, but its agenda is potentially infinite. Discuss priorities and strategic objectives. Look at results of the TPSA Projects 2007 survey.</p> <p>MODERATORS: Carol Ramsay, TPSA President 2006 and Lois Levitan, Board Member</p>
<p>TRENDS IN PESTICIDE PACKAGING: A SAFETY & WASTE MINIMIZATION ISSUE</p> <p>SESSION V-A. TUESDAY 10:15-11:45A</p> <p>MODERATOR: DON MULLINS, DEPT OF ENTOMOLOGY, VIRGINIA TECH</p>	<p>Economics of Pesticide Packaging and Implications for Recycling Don Bradley, Murray Equipment, Inc. (25 minutes)</p> <p>Novel Ideas in Pesticide Packaging Darryl Meade, Engineer, Dupont Crop Protection Products (15 min)</p> <p>Custom Mixing/Closed Systems: Bid Prices, Time Study/Worker Exposure; Environmental Risk Dow AgroScience (15 minutes)</p> <p>Business Decisions Regarding Pesticide Packaging Scott Schertz, Schertz Aerial Service Inc., Hudson, IL (15 minutes)</p> <p>Discussion (20 minutes)</p>

Abbreviations Used in the Program:

- AAPCO:** Association of American Pesticide Control Officials
- FEAD:** Field and External Affairs division of US EPA Office of Pesticide Programs
- FIFRA:** Federal Insecticide, Fungicide, and Rodenticide Act
- IHPA:**
- PANNA:** Pesticide Action Network, North America
- SFIREG:** State-FIFRA Issues Research and Evaluation Group, a network of state officials interested in Federal/State "co-regulation" of pesticides under FIFRA
- TPSA:** The Pesticide Stewardship Alliance
- US DOT:** United States Department of Transportation
- US EPA OPP:** United States Environmental Protection Agency, Office of Pesticide Programs
- VOC:** Volatile Organic Emissions

POSTERS

MANAGEMENT AND DESTRUCTION OF OBSOLETE PESTICIDES IN PILOT OBLASTS OF UKRAINE (CHERKASSY AND LVIV OBLAST). AUTHOR: Victoria Lokhanska.

Principal objectives of this project are to (i) develop clear recommendations for owners of small stocks of obsolete pesticides (OP), and to estimate the entire work chain—from entering to the complete cleaning; (ii) search for the safest and most financially reasonable means for disposal of obsolete pesticides; (iii) conduct research on the remediation of soils polluted with pesticides; and (iv) develop proposals to prevent accumulation of obsolete pesticides and improve the post-registration stewardship of pesticides. The project is a three-year collaboration funded by the US Department of State that includes the US EPA (Sponsor and partner), the Science & Technology Center in Ukraine (Coordinator), Institute of Organic Chemistry of the NAS of Ukraine (Organization-executor), Institute of Bioorganic Chemistry and Oil Chemistry of the NAS of Ukraine (Organization-executor), and the National Agricultural University (Organization-executor). Project Manager is Dr. Victoria Lokhanska. (Proj. P-169, P-169a, Aug 2004-Aug 2007).

MINIMIZING OFF-TARGET METHYLIOTHIOCYANATE EMISSIONS THROUGH APPLICATION TECHNOLOGY. AUTHORS: Vince Hebert, WSU, and Jim Ossman, Western Farm Service.

A best management practice (BMP) center pivot chemigation was compared to a BMP soil-incorporated shank injection at similar applications rates for potato field fumigation using Sectagon 42 (42% metam sodium). Air emissions of methylisothiocyanate (MITC) were monitored near-field. Emission results from shank injection show a ten-fold decrease in MITC during application and a four-fold reduction through four days post-application when compared to center-pivot chemigation.

OBSOLETE PESTICIDES (OP) IDENTIFICATION. OP RESIDUE IN SOIL.

AUTHORS: Dr. S. Melnychuk, Dr. V. Lokhanska, Dr. Y. Baranov, Dr. V. Tsvilichovskiy, Mrs. O. Zemtsova, Mrs. O. Skripnik, Mr. E. Zhuk, Mr. V. Pavlinchuk.

Results from the identification of obsolete pesticides, their residues and fate in soil (OP horizontal and vertical mobility) are presented. This work was conducted as part of Project P-169, P-169a—Management and Destruction of Obsolete Pesticides in Pilot Oblasts of Ukraine (Cherkassy and Lviv Oblast)—a three-year collaborative effort funded by the US Department of State.

OBSOLETE PESTICIDES IN EUROPE AND WESTERN ASIA.

Map developed by PSE, the Socialist Group in the European Parliament.

US DEPARTMENT OF TRANSPORTATION/PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION (US DOT/PHMSA). AUTHOR: Patricio Romero.

To enhance regulatory compliance, enforcement uniformity, and emergency preparedness through development and dissemination of training, technical assistance, and information initiatives that address the hazardous materials transportation safety concerns of management, technical, and operations personnel.

USING PLANT INJURY INDICES AND AIR/DEPOSITION TO ASSESS 2,4-D OFF-TARGET MOVEMENT IN THE PACIFIC NORTHWEST USA. AUTHORS: Vince Hebert, Gail Amos, Jane LePage, and Ken Holshue.

Describes a regional air/plant monitoring program initiated in the spring of 2003 to better understand potential sources of the widely-used cereal-grain herbicide 2,4-D to nearby wine vineyards in the Walla-Walla Valley.