

Advancing Sustainable Communities:

People, pollinators and practices

32nd National Pesticide Forum

April 11-12, 2014

Portland, OR

Portland State University

Convened by



**BEYOND
PESTICIDES**



NORTHWEST CENTER FOR
ALTERNATIVES TO PESTICIDES



Institute for
Sustainable Solutions

PORTLAND STATE UNIVERSITY

Co-sponsored by

Beyond Toxics, Center for Food Safety, Friends of Family Farmers, John A Green MD III The EverGreen Center, Healthy Bees-Healthy Gardens, Lewis and Clark Law School, Organic Materials Review Institute, Oregon Environmental Council, Oregon Physicians for Social Responsibility, Oregon Sustainable Beekeepers, Oregon Tilth, Pesticide Action Network North America, PCUN (Pineros y Campesinos Unidos del Noroeste), Portland Urban Beekeepers, University of Portland's Environmental Studies Department, and The Xerces Society.

Advancing Sustainable Communities

The 32nd National Pesticide Forum

Portland State University ■ Portland, OR ■ April 11-12, 2014

A Chronological Summary of the Program

Friday, April 11

12:00 - 4:30pm	Organic Farm and Gardens Tour
5:00 - 6:30pm	Registration
5:30 - 6:30pm	Pesticides 101
6:30 - 10:30pm	Welcome and Keynote
6:30 - 7:00pm	Reception
7:00 - 7:15pm	Welcome
7:15 - 8:00pm	Keynote: Pierre Mineau, PhD
8:00 - 9:30pm	Keynote Panel: Rep. Jeff Reardon, and Mace Vaughan
9:30 - 10:30pm	Reception

Saturday, April 12

8:00 - 8:30am	Continental Breakfast and Registration
8:30 - 8:45am	Welcome
8:45 - 9:50am	Health and Law Keynote: George Kimbrell, James Roberts, MD
9:50 - 11:00am	Emerging Science Keynote: Stella Koutros, PhD, Michael Skinner, PhD
11:00 - 11:15am	Break (<i>move to workshops</i>)
11:15am - 12:45pm	Workshop Block I Pesticides and Health: In-depth discussion ■ Genetic Engineering and the Future of Organic Agriculture ■ Pollinator Protection ■ Organic Land Management: Practical Tools and Techniques
12:45 - 2:45pm	Lunch and Keynotes
12:45 - 1:30pm	Lunch served
1:30 - 2:00pm	Michael Sligh
2:00 - 2:10pm	Boyce Thorne Miller
2:10 - 2:40pm	Lani Malmberg
2:45 - 4:15pm	Organic Management Approaches and Cutting Edge Alternatives
4:15 - 4:30pm	Break (<i>move to workshops</i>)
4:30 - 6:00pm	Workshop Block II Passing Policies to Protect Communities ■ Social Justice in Sustainable Agriculture ■ Protecting the Watershed ■ Pesticide Litigation
6:00 - 7:30pm	Dinner
7:30 - 10:30pm	Plenary, Keynote and Reception
7:30 - 8:15pm	Keynote Speaker: Fred Kirschenmann
8:15 - 9:30pm	Keynote Panel: Kim Leval, Pete Sorenson, and Ivan Maluski
9:30 - 10:30pm	Reception

This is a fragrance-free event. No scented body products, please.

Advancing Sustainable Communities
People, pollinators and practices

Call to the Conference

Protecting nature and advancing natural solutions to complex health and environmental problems has always been necessary to our long-term survival. Every day, however, this reality takes on more urgency.

There is a compelling need to act in new and creative ways as we see the rapid decline of honey and wild bees and other pollinators, from butterflies, birds, to bats. The science increasingly links deteriorating bee and pollinator health and the collapse of bee colonies to growing use of systemic pesticides, those that make their way into a plant's vascular system and are expressed through pollen and nectar. While we can identify a range of factors that include pathogens, multiple pesticide exposures, and habitat loss, we will not stop this rapid downward spiral with yet another better pesticide or technological tool that continues to ignore basic ecological interdependencies.

As pollinator threats escalate, we see serious pesticide-induced human illness, from chronic diseases, such as cancer, to neurological disorders, while researchers warn us about endocrine disruptors and transgenerational effects, vulnerable populations such as children, exposure to chemical mixtures in the environment, and low-dose pesticide effects.

The problems demand a rethinking and reorientation to ecological and prevention-based approaches to land management that respect biodiversity, challenging the thinking that stresses plant pathology instead of plant health, or crisis intervention instead of prevention. The targeting of bad actor chemicals is transitioning to a focus on reversing detrimental practices that destroy the natural balance that supports healthy organisms. Our demand for pure air, water, land, food, and safety for those who work the land advances true sustainability.

Yet, technological fixes, like genetically engineered plants, are sold as a solution to environmental problems, despite concomitant increases in herbicide use and weed resistance in herbicide-tolerant crops and insect resistance in insecticide-incorporated crops. Meanwhile, ecological-based and organic systems protect and renew the soil food web, getting us off the pesticide treadmill. Politics has intervened to impede an adequate regulatory response at the federal and state level, with little attention to the land management systems in which registered pesticides are being used.

This conference brings together a broad range of expertise to share the latest science as the basis for urging urgent action in communities and states. Practitioners of management systems share their experience with systems that take hazardous pesticides out of schools, parks, community property, homes, and farms, call for labeling and right to know, while teaching natural-based approaches to effectively managing land and buildings.

Thank you for joining us at the conference!



Jay Feldman
Executive Director, Beyond Pesticides



Routt Reigart, MD
Board President, Beyond Pesticides

Advancing Sustainable Communities

The 32nd National Pesticide Forum

Portland State University ■ Portland, OR ■ April 11-12, 2014

Schedule of Events

Friday, April 11

12:00 - 4:30pm

[PICK-UP AT UNIVERSITY PLACE HOTEL AND CONFERENCE CENTER, PORTLAND STATE UNIVERSITY]

■ Organic Farm and Urban Gardens Tour

Explore the diversity of organic offerings in Oregon! Our first visit on the trip will be to The Oregon Hophouse on Leavy Farm, which is the first certified organic hop farm in Oregon. Next up, we will tour a pesticide-free neighborhood and community park in the Overlook neighborhood of Portland.

5:00 - 6:00pm

Registration

5:30 - 6:30pm

[COLUMBIA FALLS BALLROOM]

■ Pesticides 101

Caroline Cox, *research director, Center for Environmental Health; board member, Beyond Pesticides, Oakland, CA*
Evangelos Valianatos, *author, "Poison Spring," Claremont, CA*

6:30 - 7:00pm

Reception

7:00 - 7:30pm

[COLUMBIA FALLS BALLROOM]

■ Welcome

Routt Reigart, MD, *president, Beyond Pesticides board; professor emeritus of pediatrics, Medical University of South Carolina, Charleston, SC*
Jay Feldman, *executive director, Beyond Pesticides, Washington, DC*
Kim Leval, *executive director, Northwest Center for Alternatives to Pesticides, Eugene, OR*

7:30 - 8:15pm

[COLUMBIA FALLS BALLROOM]

■ Keynote: The rise of systemic insecticides:

What does it mean for agriculture, pollinators, and the environment at large? **Pierre Mineau, PhD**, *principal senior scientist, Pierre Mineau Consulting, Ottawa, Canada*

8:15 - 9:30pm

[COLUMBIA FALLS BALLROOM]

■ Protecting Pollinators Panel

Representative Jeff Reardon, *D-Portland, Oregon House District 48*
Mace Vaughan, *pollinator program director, The Xerces Society, Portland, OR*

Nichelle Harriott, *moderator, senior scientist, Beyond Pesticides, Washington, DC*

9:30 - 10:30pm

Reception

Saturday, April 12

8:00 - 8:30am

[LOBBY OUTSIDE OF BALLROOM]

Organic Continental Breakfast

8:30 - 8:45am

[COLUMBIA FALLS BALLROOM]

■ Welcome

Jay Feldman, executive director, *Beyond Pesticides*, Washington, DC

8:45 - 11:15am

[COLUMBIA FALLS BALLROOM]

■ Keynotes

8:45 - 9:50am

[COLUMBIA FALLS BALLROOM]

■ Health and Law

Health, Environmental, and Legal Challenges for a Sustainable Future: George Kimbrell, senior attorney, *Center for Food Safety*, Portland, OR

Protecting Children from Pesticide Exposure: James Roberts, MD, MPH, professor of pediatrics, *Medical University of South Carolina*, Charleston, SC

Routt Reigart, MD, moderator, professor emeritus of pediatrics, *Medical University of South Carolina*; *Beyond Pesticides* board president, Charleston, SC

9:50 - 11:00am

[COLUMBIA FALLS BALLROOM]

■ Emerging Science

Agricultural Health Study, Pesticides, and Cancer: Stella Koutros, PhD, research fellow, *Occupational and Environmental Epidemiology Branch*, *National Cancer Institute*, Bethesda, MD

Epigenetic Transgenerational Actions of Endocrine Disruptors on Reproduction and Disease: The Ghosts in Your Genes Michael Skinner, PhD, professor, *School of Biological Sciences*, *Washington State University*, Pullman, WA

Warren Porter, PhD, moderator, professor of zoology, *University of Wisconsin*; *Beyond Pesticides* board member, Madison, WI

11:00 - 11:15am

Short break, ***please move to workshops***

Workshops will be held in the breakout rooms Coos Bay, Crater Lake, Willamette Ballroom, and Columbia Falls Ballroom.

Please move to workshops quickly as sessions will begin promptly at 11:15 am.

Saturday, April 12 *continued*

11:15am - 12:45pm ■ Workshops I

1) Pesticides and Health: An In-Depth Discussion

[COLUMBIA FALLS BALLROOM]

James Roberts, MD, MPH, professor of pediatrics, Medical University of South Carolina, Charleston, SC

Stella Koutros, PhD, research fellow, Occupational and Environmental Epidemiology Branch, National Cancer Institute, Bethesda, MD

Michael Skinner, PhD, professor, School of Biological Sciences at Washington State University, Pullman, WA

Warren Porter, PhD, professor of zoology, University of Wisconsin, Madison; board member, *Beyond Pesticides*, Madison, WI

Routt Reigart, MD, moderator, professor emeritus of pediatrics, Medical University of South Carolina, *Beyond Pesticides* board president, Charleston, SC

■ Continuing from the morning keynote sessions, discuss the latest science on pesticides and their impact on public health, from cancer, transgenerational effects to children's health. Connect with scientists and experts for an in-depth discussion on their latest research.

3) Pollinator Protection

[WILLAMETTE BALLROOM]

Pierre Mineau, PhD, principal scientist, Pierre Mineau Consulting, Ottawa, Canada

Mace Vaughan, pollinator program director, The Xerces Society, Portland, OR

Jen Hornaday, founders, Healthy Bees-Healthy Gardens, Eugene, OR

Paul Towers, moderator, organizing and media director, Pesticide Action Network, Oakland, CA

■ The massive bee kills in Oregon drew attention to the dangers neonicotinoid pesticides pose to pollinators. Discuss what individuals and communities can do to BEE Protective of pollinators.

2) Genetically Engineered Food and the Future of Organic Agriculture

[COOS BAY]

George Kimbrell, senior attorney, Center for Food Safety, Portland, OR

Ivan Maluski, director, Friends of Family Farmers, Molalla, OR

Lindsay Fernandez-Salvador, technical director, Organic Materials Review Institute, Eugene, OR

Paula Dinerstein, senior counsel, Public Employees for Environmental Responsibility (PEER); board member, *Beyond Pesticides*; Washington, DC

Jay Feldman, moderator, executive director, *Beyond Pesticides*, Washington, DC

■ Organic and GE crop production are growing side by side on different paths, one sustainable and the other linked to elevated pesticide use, and weed and insect resistance. Discuss current strategies for curtailing the adverse impact of GE cropping systems and advancing organic production.

4) Organic Land Management: Practical Tools and Techniques

[CRATER LAKE]

Chip Osborne, founder and president, Osborne Organics; board member, *Beyond Pesticides*, Marblehead, MA

Colleen Lockovitch, program manager, Oregon Tilth, Corvallis, OR

Mulysa Melco, landscape designer and horticulturist, Resilience Design, Portland, OR

Lani Malmberg, moderator, owner, Ewe4ic Ecological Services; board member, *Beyond Pesticides*, Cheyenne, WY

■ With a "how-to" focus, this workshop provides participants with practical advice on adopting organic practices at home and in local park and playing field management.

Saturday, April 12 *continued*

12:45 - 2:45pm

[COLUMBIA FALLS BALLROOM]

■ Lunch and Keynotes

Lunch will be served at 12:45pm. Please pick up your lunch before the plenary speakers begin at 1:30pm.

■ Social Justice Labeling from Food to Table

Michael Sligh, program director, RAFI-USA, Raleigh-Durham, NC

■ Rethinking Invasive Species

Boyce Thorne Miller, science policy advisor, Northwest Atlantic Marine Alliance, Washington, DC

■ Ecological Land Management with Goats

Lani Malmberg, Beyond Pesticides board member; owner, Ewe4ic Ecological Services, Cheyenne, WY

Brett Ramey, moderator, director for community engagement and development, University of Washington School of Medicine; board member, Beyond Pesticides, Seattle, WA

2:45 - 4:15pm

[COLUMBIA FALLS BALLROOM]

■ Organic Management Approaches and Cutting Edge Alternatives Panel

Jon Wild, Housing and Community Services Agency of Lane County, board member, NCAP, Eugene, OR

Jade Florence, PhD candidate, Oregon State University; NCAP partnership on managing blueberry fungal disease organically, Portland, OR

Colleen Lockovitch, program manager, Oregon Tilth, Corvallis, OR

Chip Osborne, founder and president, Osborne Organics; board member, Beyond Pesticides, Marblehead, MA

Kevin Finney, Park Operations Manager at City of Eugene, OR

Rella Abernathy, PhD, integrated pest management coordinator, City of Boulder, CO

Terry Shistar, PhD, moderator, board member, Beyond Pesticides, Lawrence, KS

4:15 - 4:30pm

Short break, ***please move to workshops***

Workshops will be held in the breakout rooms Coos Bay, Crater Lake, Willamette Ballroom, and Columbia Falls Ballroom.

Please move to workshops quickly as sessions will begin promptly at 4:30pm.

Saturday, April 12 *continued*

4:30 - 6:00pm ■ Workshops II

1) Passing Policies to Protect Communities

[COLUMBIA FALLS BALLROOM]

Rella Abernathy, PhD, *integrated pest management coordinator, City of Boulder, CO*

Kevin Finney, *Park Operations Manager at City of Eugene, OR*

Jon Wild, *Housing and Community Services Agency of Lane County, board member, NCAP, Eugene, OR*

Megan Dunn, *people and communities program director, Northwest Center for Alternatives to Pesticides, Everett, WA*

Matt Wallach, *project director, IPM health care facilities project, Beyond Pesticides/ Maryland Pesticide Network, Baltimore, MD*

Robina Suwol, *moderator, executive director, California Safe Schools; board member, Beyond Pesticides, Toluca Lake, CA*

■ **Inadequate regulation at the federal level requires localities to take action for public health and the environment. Discuss the strategies needed to pass and implement effective pesticide policies to protect your community.**

3) Protecting the Watershed

[CRATER LAKE]

Celeste Mazzacano, PhD, *aquatic conservation program director, The Xerces Society, Portland, OR*

Lisa Arkin, *executive director, Beyond Toxics, Eugene, OR*

Boyce Thorne Miller, *science policy advisor, Northwest Atlantic Marine Alliance, Washington, DC*

Mary McAllister, *San Francisco Forest Alliance, San Francisco, CA*

Lynn Youngbar, *moderator, president, Oregon Tilth board; board member, NCAP, Portland, OR*

■ **Protecting our water resources from hazardous pesticide use is the focus of this discussion, from rethinking invasive species, managing mosquitoes, to forestry management without toxic chemicals.**

2) Social Justice in Sustainable Agriculture

[COOS BAY]

Nelson Carrasquillo, *executive director, El Comité de Apoyo a los Trabajadores (CATA-The Farmworkers' Support Committee); board member, Beyond Pesticides, Glassboro, NJ*

Ramon Ramirez, *co-founder and president, Pineros y Campesinos Unidos del Noroeste (PCUN), Woodburn, OR*

Michael Sligh, *program director, RAFI-USA, Raleigh-Durham, NC*

Caroline Cox, *moderator, research director, Center for Environmental Health; board member, Beyond Pesticides, Oakland, CA*

■ **Examine the true costs of conventional agriculture from the perspective of America's 1-2 million farmworkers, who work long hours and confront incessant pesticide exposure. Learn about the impact of consumer food choices on farmworkers and their families, organizing efforts, and Agricultural Justice Project Certification Standards.**

4) Pesticide Litigation: Threats to Justice

[WILAMETTE BALLROOM]

Pete Sorenson, *county commissioner, Lane County, OR; attorney, Sorenson Law Office, Eugene, OR*

Christopher Funk, *attorney, Portland, OR*
Rosemary Bilchak, *organic farmer, Hotchkiss, CO*

Aimee Simpson, *moderator, policy director and staff attorney, Beyond Pesticides*

■ **Want to know what kinds of legal strategies have been successful in litigating pesticide exposure damage? This workshop will explore pesticide litigation, including overturning the *Oregon Right to Farm and Forest Act* and using the courts to seek protection from pesticide drift and other exposures.**

Saturday, April 12 *continued*

6:00 - 7:30pm Dinner
[COLUMBIA FALLS BALLROOM]

7:30 - 8:15pm ■ Keynote: Cultivating an Ecological Conscience
[COLUMBIA FALLS BALLROOM]

Fred Kirschenmann, *distinguished fellow, Leopold Center for Sustainable Agriculture at Iowa State University, Ames, IA; president, Stone Barns Center for Food and Agriculture, Pocantico Hills, NY*

8:15 - 9:30pm ■ Ecological Conscience Panel
[COLUMBIA FALLS BALLROOM]

Ivan Maluski, *director, Friends of Family Farmers, Molalla, OR*
Kim Leval, *executive director, Northwest Center for Alternatives to Pesticides, Eugene, OR*

Pete Sorenson, *County Commissioner, Lane County, OR; attorney, Sorenson Law Office, Eugene, OR*

Jay Feldman, *moderator, executive director, Beyond Pesticides, Washington, DC*

9:30 - 10:30pm Reception
[COLUMBIA FALLS BALLROOM]

Thank You!

Beyond Pesticides and Northwest Center for Alternatives to Pesticides would like to thank the organizations that helped make this event possible:

Beyond Toxics, Center for Food Safety, Friends of Family Farmers, John A Green MD III The EverGreen Center, Healthy Bees-Healthy Gardens, Lewis and Clark Law School, Organic Materials Review Institute, Oregon Environmental Council, Oregon Physicians for Social Responsibility, Oregon Sustainable Beekeepers, Oregon Tilth, Pesticide Action Network North America, PCUN (Pinos y Campesinos Unidos del Noroeste), Portland Urban Beekeepers, University of Portland's Environmental Studies Department, and The Xerces Society.

Also, a very special thank you to:

Major Supporters: Earthbound Farm, Frey Vineyards, NaturaLawn of America, Organic Valley, and Tabard Inn

Supporters: Anthro Corporation, Aveda, Cameron Winery, Columbia Gorge Organics, Habitat Landscape Design, Mountain Rose Herbs, Natural Grocers, Organically Grown Company, Stonyfield Organic

Christopher Kyle Morris, Chef Manager, Portland State University,
for arranging and preparing the organic menu

BEYOND PESTICIDES, founded in 1981 as the National Coalition Against the Misuse of Pesticides, works with allies for a future free of hazardous pesticides and collaborates with grassroots people and organizations to educate the public on pesticide hazards and promote non-toxic alternatives. The founders felt that without the existence of such an organized, national network, local, state and national pesticide policy would become, under chemical industry pressure, increasingly unresponsive to public health and environmental concerns.

Beyond Pesticides Board of Directors

Routt Reigart, MD (President), Medical University of South Carolina, Charleston, SC; *Lani Malmberg* (Vice-President), Ewe4ic Ecological Services, Inc., Cheyenne, WY; *Terry Shistar, PhD* (Secretary), Lawrence, KS; *Caroline Cox* (Treasurer), Center for Environmental Health, Oakland, CA; *Chip Osborne* (At-Large), Osborne Organics, Marblehead, MA; *Nelson Carrasquillo*, Farmworkers Support Committee (CATA), Philadelphia, PA; *Paula Dinerstein*, Public Employees for Environmental Responsibility, Washington, DC; *Lorna Donaldson*, Donaldson Family Farms, Tiptonville, TN; *Jay Feldman*, Beyond Pesticides, Washington, DC; *Warren Porter, PhD*, University of Wisconsin, Madison, WI; *Brett Ramey*, University of Washington School of Medicine, Seattle, WA; *Robina Suwol*, California Safe Schools, Toluca Lake, CA; *Andrea Kidd Taylor, DrPH*, Morgan State University, Baltimore, MD.

Beyond Pesticides Staff

Jay Feldman, executive director; *Stephanie Davio*, forum coordinator; *Nichelle Harriott*, senior scientist; *Aimee Simpson*, policy director and staff attorney; *Drew Toher*, public education associate; *Xoco Shinbrot*, program associate; *Matt Porter*, research fellow; *Matt Wallach*, IPM project director.

NORTHWEST CENTER FOR ALTERNATIVES TO PESTICIDES (NCAP) works to protect community and environmental health and inspire the use of ecologically sound solutions to reduce the use of pesticides.

NCAP Board of Directors

Tony Brand (President), Brandtastic Soil, LLC, Iowa; *Brise Tencer* (Vice-President), California Certified Organic Farmers, California; *Sahale Little* (Treasurer), Coinstar, Washington; *Sara Nienaber* (Secretary), OMRI, Oregon; *Betty McArdle*, Community Media Assistance Project, Oregon; *Lynn Youngbar*, Non-Profit Consultant, Oregon; *Jon Wild*, Housing and Community Services Agency of Lane County, Oregon; *Deirdre Bump*, Community Activist, Oregon.

NCAP Staff

Kim Leval, executive director; *Shelly Connor*, associate director; *Jennifer Miller*, senior food and agriculture director; *Josh Vincent*, communications and organizing director; *Laurele Fulkerson*, program director, healthy wildlife and water; *Edward Winter*, chief operating and financial officer; *Sarah Finney*, operations and resource coordinator; *Jennifer Synder*, science educator; *Megan Dunn*, people and communities program director; *Ashley Chesser*, outreach and communications coordinator.