



Applying knowledge to improve water quality

# Pacific Northwest

## Regional Water Program

A Partnership of USDA CSREES  
& Land Grant Colleges and Universities

Summer 2006  
PNWWATER 092

**November 8-9, 2006:**

## ***iSNAP Workshop: Integrated Pest and Nutrient Management Options***

Over the past five years a group of land grant universities (Oregon State University, Washington State University, and the University of Idaho), EPA, and other specialists have been working together to produce innovative educational programs for agricultural professionals in the Pacific Northwest. Support for the Integrated Soil Nutrient and Pest (iSNAP) Water Quality Education Project has been provided for the past three years by the USDA National Water Program. Current funding sources include the Western Region Integrated Pest Management Center, USDA Risk Management Agency, and OSU Integrated Plant Protection Center and have allowed the project to expand its scope to include events for grower audiences.

To continue the benefits of the National Water Program supported efforts, the iSNAP Project is offering the sixth presentation of Integrated Pest and Nutrient Management Options: Practices to Protect Water Quality & Enhance Crop Yields workshop on November 8-9, 2006 in Corvallis, Oregon. This continually evolving curriculum is customized to the local area, crops, and water quality concerns.

The target audience for the workshop is:

- ◆ Certified crop advisors
- ◆ IPM consultants
- ◆ Pesticide applicators
- ◆ Conservation planners
- ◆ Extension educators
- ◆ State and federal agency personnel
- ◆ Providers of relevant products or services for farmers
- ◆ Other land managers

The purpose of the workshop is to support participants in learning how to implement the latest regional research in integrated pest management and nutrient management systems that protect water quality and crop yields. Participating in this program will enable attendees to:

- ◆ Evaluate pest and nutrient management alternatives in terms of economic and environmental impacts
- ◆ Assess the potential impacts of weather and climate on pesticide application decisions
- ◆ Determine effective and viable mitigation strategies to reduce off-site transport of nutrients and pesticides
- ◆ Locate and effectively use online tools and models



*Pesticide drift. Used with permission from the Mid-Columbia Agricultural Research and Extension Center, OSU.*



**Pacific Northwest Regional Water  
Quality Coordination Project  
Partners**

**Land Grant Universities**

**Alaska**

Cooperative Extension Service  
Contact Fred Sorensen:  
907-786-6311

<http://www.uaf.edu/ces/water/index.html>

University Publications:

<http://www.alaska.edu/uaf/ces/publications/>

**Idaho**

University of Idaho  
Cooperative Extension System  
Contact Bob Mahler: 208-885-7025

<http://www.uidaho.edu/wq/wqhome.html>

University Publications:

<http://info.ag.uidaho.edu/Catalog/catalog.html>

**Oregon**

Oregon State University  
Extension Service  
Contact Mike Gamroth: 541-737-3316

<http://extension.oregonstate.edu/>

University Publications:

<http://extension.oregonstate.edu/catalog/>

**Washington**

Washington State University  
WSU Extension  
Contact Bob Simmons:  
360-427-9670 ext. 690

<http://wawater.wsu.edu/>

University Publications:

<http://pubs.wsu.edu/>

Northwest Indian College  
Contact: Michael Cochrane:  
360-392-4299

[mcocrane@nwic.edu](mailto:mcocrane@nwic.edu) or

<http://www.nwic.edu/>

**Water Resource Research Institutes**

Water and Environmental Research  
Center (Alaska)

<http://www.uaf.edu/water/>

Idaho Water Resources  
Research Institute

<http://www.boise.uidaho.edu/>

Institute for Water and  
Watersheds (Oregon)

<http://water.oregonstate.edu/>

State of Washington  
Water Research Center

<http://www.swwrc.wsu.edu/>

**Environmental Protection Agency**

EPA, Region 10

The Pacific Northwest

<http://www.epa.gov/r10earth/>

Office of Research and Development,  
Corvallis Laboratory

<http://www.epa.gov/wed/>

For more information contact  
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**Workshop Agenda**

**Wednesday November 8, 2006**

Pesticides in the Agricultural Environment: USGS Results from Oregon and Washington, Hank Johnson, USGS

Pesticide Properties Influence Environmental Fate and Water Resource Contamination, Jeff Jenkins, OSU

Pesticide Application Technology and Drift Management, Paul Jepson, OSU

Vegetative Buffers: The Good, the Bad and the Ugly, Sandy Halstead, US EPA

Weather Models and Pest Management Decision Timing, Len Coop, OSU

Making It Real: Pest Management Case Studies in Vegetable and Grass Seed Systems, John Luna, Ed Peachey, Paul Jepson, OSU and Sandy Halstead, EPA

Tuning IPM Programs to Meet Water Quality and Grower Objectives, Paul Jepson, OSU

**Thursday November 9, 2006**

Benefits and Limitations of Nutrient Management Plans, Dan Sullivan, OSU

Implementing Improved Nitrogen Management Practices on High Value Vegetable Crops, Tim Hartz, UC Davis

Managing Nutrients and Salts Using Industrial and Irrigation Waters, Don Horneck, OSU

What We Are Learning from Organic Farms about Nitrogen Management, Dan Sullivan, OSU

From Deficiency to Excess: Maintaining Production with Reduced Phosphorus Inputs, Tim Hartz, UC Davis

Nutrient Management: The Next Generation, Dan Sullivan, OSU

Current Nutrient Management Research, Don Horneck, OSU

To register for this program or to learn more about the project, please visit the iSNAP website at [isnap.oregonstate.edu](http://isnap.oregonstate.edu) or contact Mary Staben at 541-737-2683 or [mary.staben@oregonstate.edu](mailto:mary.staben@oregonstate.edu). The iSNAP Project plans to offer this program once a year in the Northwest. This winter a series of workshops in Oregon and Washington will focus on practices and tools that can reduce risk in pest management.

Another way the iSNAP Project supports locally-relevant education is through the development of online self-study exams for Certified Crop Advisers (CCAs). These Northwest Extension-publication based exams offer an affordable and immediate way for Northwest CCAs to get recertification credits that are relevant to the work they do. The exams are available through the American Society of Agronomy web site or visit the iSNAP web site for a direct link to the exams.

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**National Water Quality Program Areas**

The four land grant universities in the Pacific Northwest have aligned our water resource extension and research efforts with eight themes of the USDA's Cooperative State Research, Education, and Extension System.

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| 1. Animal Waste Management           | 5. Pollution Assessment and Prevention |
| 2. Drinking Water and Human Health   | 6. Watershed Management                |
| 3. Environmental Restoration         | 7. Water Conservation and Management   |
| 4. Nutrient and Pesticide Management | 8. Water Policy and Economics          |

*CSREES is the Cooperative States Research, Education, and Extension Service, a sub-agency of the United States Department of Agriculture, and is the federal partner in this water quality program.*