

# The Clackamas Basin Pesticide Stewardship Partnership

The Clackamas River provides drinking water for 300,000 people, recreation for thousands, and safe harbor for endangered fish to spawn, rear and migrate. The Clackamas Basin Pesticide Stewardship Partnership (Clackamas PSP) is a voluntary, collaborative process to protect the river and its tributaries. Local and state organizations offer water quality monitoring, resources and training for landowners and managers to enable more efficient and effective pesticide use that reduces drift and runoff.



Clackamas river, photo courtesy Clackamas River Basin Council

## Voluntary Steps in a PSP

1. Monitor water quality to identify pesticides of concern (approaching or above unsafe levels or found at high frequencies)
2. Share and explain water quality monitoring results with those who are interested in protecting the quality of local streams and rivers
3. Engage pesticide users and technical assistance providers to identify and implement voluntary solutions to reduce pesticide drift, runoff and waste
4. Use long-term water quality monitoring to measure success in reducing pesticides of concern and evaluate the effectiveness of strategies.

## Pesticides of Concern

Since 2000, water monitoring has detected pesticides in Clackamas River tributaries that exceed benchmarks to protect fish and invertebrates. Since 2005, Oregon Department of Environmental Quality has monitored four sites on tributaries to the lower Clackamas River for pesticides:

- Noyer Creek
- North Fork Deep Creek (2 locations)
- Rock Creek
- Sieben Creek

Pesticide active ingredients and common trade names of pesticides found in the Clackamas Basin at high levels or frequencies of concern include:

- simazine: Princep
- chlorpyrifos: Yuma and Lorsban Advanced
- bifenthrin: Capture 2EC, Brigade 2EC, Brigade WSB, Wisdom
- diuron: Karmex, Direx
- oxyfluorfen: Goal 2XL, Goal Tender
- chlorothalonil: Bravo Weather Stik, Chloronil 720
- dichlobenil: Casoron

Clackamas Pesticide Stewardship Partnership Monitoring Summary (Feb 2014):

[http://www.deq.or.us/wq/pesticide/docs/PSP\\_Monitoring\\_Summary.pdf](http://www.deq.or.us/wq/pesticide/docs/PSP_Monitoring_Summary.pdf)



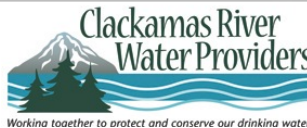
## Clackamas Pesticide Stewardship Partnership Members

We are all part of the solution—Join us!

<http://bit.ly/ClackamasPSP>



Oregon Environmental Council  
It's Your Oregon



CLACKAMAS COUNTY SOIL AND WATER  
CONSERVATION DISTRICT  
Good dirt. Clean water.





Sprayer calibration and smart sprayer technology dramatically reduces off-target pesticide loss.  
Photo by Jason Faucera



In the Hood River, the Dalles and Walla Walla watersheds, collaborative partnerships reduced concentrations of pesticides and herbicides of concern in local streams by 90%.

## Why Pesticide Stewardship Partnerships?

**For Oregon:** Healthy drinking water. Clean rivers. Native salmon. Abundant wildlife. Safe fish to eat.

**For business:** More efficient operations. Money saved through waste reduction. Reduced risk of regulation, environmental clean-ups, and negative health effects. Community-based knowledge, not “one-sized-fits-all” fixes.

**For best practice pest management:** Integrated pest management principles ensure efficient, appropriate use of pesticides. Preventing pests, using pesticides only when necessary, and using the least pest control chemicals to be effective help prevent off-target movement of pesticides where they are not useful and can be harmful.

## An Oregon-Grown Win-Win Strategy

Oregon’s Pesticide Stewardship Partnerships (PSPs) began in the Hood River Basin and have expanded to seven watersheds in the Willamette and Columbia River Basins.

Partners have included local landowners, grower groups, watershed councils, soil and water conservation districts, water providers, Department of Environmental Quality, Oregon State University, Oregon Department of Agriculture, tribes and several nonprofits.

Providing technical resources and water testing to local experts, the partnerships have resulted in locally led initiatives that improve pest management efficiency and create measurable environmental improvements.

## Clackamas Pesticide Stewardship Partnership

We are all part of the solution—Join us!

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