















PROGRESS IN THE CLACKAMAS PESTICIDE STEWARDSHIP PARTNERSHIP 2014-2015 A SUMMARY OF THE RIGOROUS PROCESS THAT LED TO SIGNIFICANTLY REDUCED RISKS TO SALMON

Clackamas Basin Technical Working Group

Clackamas Water Environment Services Clackamas River Basin Council USGS

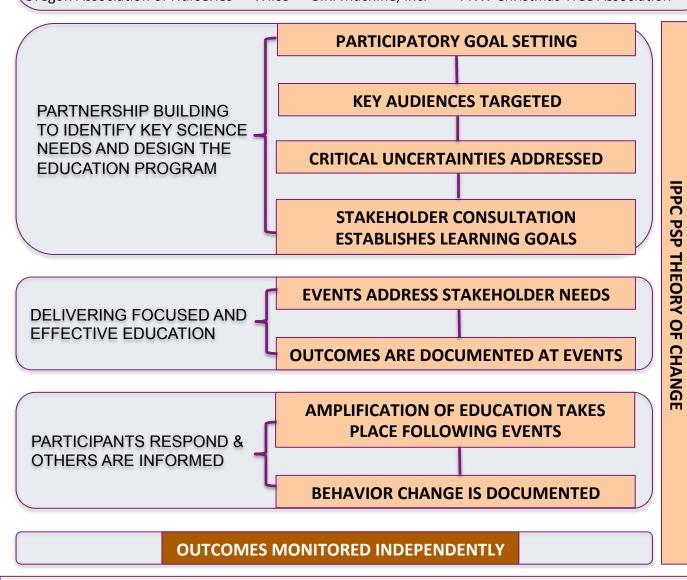
Clackamas River Water Oregon Environment Council Clackamas SWCD Oregon DEQ

J. Frank Schmidt & Son Co. Oregon Department of Agriculture OSU IPPC

Additional Partners

OSU Extension Service Hans Nelson and Sons Nursery Green Valley Christmas Tree Farm

Oregon Association of Nurseries Wilco G.K. Machine, Inc. PNW Christmas Tree Association



Funding Sources

GOAL

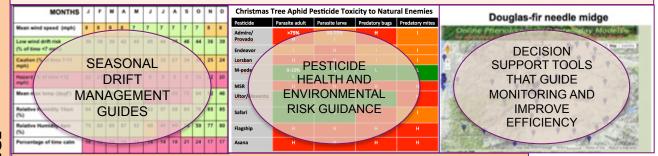
Our goal is to protect the health of people and aquatic species by reducing pesticide losses into our waterways

KEY AUDIENCES TARGETED

The program targeted Christmas tree growers and nurseries in the Clackamas watershed via OSU extension, OAN, and other partners that located growers in sensitive areas

CRITICAL UNCERTAINTIES ADDRESSED

Critical uncertainties in application management, pesticide risk and pest phenology were addressed with state-of-the-science models developed by the OSU IPPC



STAKEHOLDER CONSULTATION ESTABLISHES LEARNING GOALS

Outcome-based planning was conducted for the Christmas tree industry: 4 outcomes included:"Develop methods of long-term planning that enable PAMS IPM tactics to be implemented through locally-adapted processes" - This includes approaches that ensure pesticides are only used when needed

Similar planning for the **nursery industry** included 9 outcomes which included:- **"Consider pest management options that reduce off target impacts"** – These approaches are termed risk mitigation

EVENTS COVER STAKEHOLDER NEEDS

Education events, participation (N), & skills taught in pesticide use reduction, or in pesticide risk mitigation

Crop	Abbreviated title	N	Use reduction	Risk mitigation
Nursery 2/20/14	Maximize pesticide use efficiency	49		5
Christmas tree 6/11/14	Identification and use of beneficial insects	34	3	2
Nursery 10/13/14	Sprayer calibration and application assessment	31		3
Nursery 2/3/15	Combining IPM and pesticide risk management	34	5	6
Christmas tree 2/11/15	Beneficial insects – moving ahead	27	5	1
Christmas tree 6/17/15	Farmscaping for predation and parasitism	12	7	

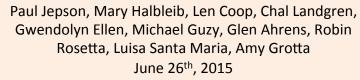
IPPC





integrated plant protection center











Other partners:

Holiday Tree Farm Noble Mountain Tree Farm Trout Creek Farm BTN of Oregon Gold Hill Nursery Tree Frog Nursery Simnitt Nursery Joyce Farms

With thanks also to Steve Riley, ODA