













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

PARTICIPATORY GOAL SETTING **KEY AUDIENCES TARGETED** PARTNERSHIP BUILDING TO IDENTIFY KEY SCIENCE NEEDS AND DESIGN THE **CRITICAL UNCERTAINTIES ADDRESSED EDUCATION PROGRAM** IPPC PSP THEORY OF CHANGE STAKEHOLDER CONSULTATION **ESTABLISHES LEARNING GOALS EVENTS ADDRESS STAKEHOLDER NEEDS DELIVERING FOCUSED AND EFFECTIVE EDUCATION OUTCOMES ARE DOCUMENTED AT EVENTS** AMPLIFICATION OF EDUCATION TAKES PLACE FOLLOWING EVENTS PARTICIPANTS RESPOND & OTHERS ARE INFORMED **ACTIONS ARE DOCUMENTED**

OUTCOMES MONITORED INDEPENDENTLY

Funding Sources

OSU Agricultural Experiment Station; USDA NIFA Extension Implementation Program; Oregon Governor's Fund for the Environment; ODA PSP Technical Assistance Program

CLACKAMAS PESTICIDE STEWARDSHIP PARTNERSHIP PROGRAM 2014-2015

GOAL

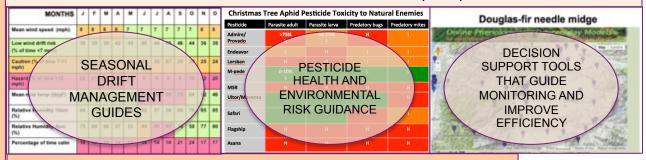
Our goal is to protect the health of people and aquatic species by reducing pesticide losses into our waterways

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 Paul Jepson, Mary Halbleib, Len Coop, Chal Landgren, Gwendolyn Ellen, Michael Guzy, Glen Ahrens, Robin Rosetta, Luisa Santa Maria, Amy Grotta June 26th, 2015





With thanks also to Steve Riley, ODA