

DEQ Integrated Toxics Reduction Strategy

2018 Toxics Reduction Strategy Update

Jan. 24-25, 2019

Environmental Quality Commission

Purpose of Strategy

- Creates a framework to organize DEQ work across all media
- Complements and supports ongoing toxics work in air, land and water programs
- Describes actions DEQ and partners will take to reduce toxics in Oregon's environment
- Provides a proactive vision for addressing toxics at all stages of the life cycle

Why do we need a strategy?

- Integrated approach to reduce impacts to human and ecological health from toxics
- Unify all programs and inform core programs, fill gaps and address emerging issues
- Focus resources

Strategy Update Process



Strategy Update Process



Role of Team Toxics

- Guide the strategy updates and implementation actions
- Provide technical assistance to core programs
- Forum for emerging issues
- Home for DEQ toxics expertise

Toxics Reduction Strategy Background

2012 Strategy Actions



Complement Core
Program Work



Integrated Strategic
Approach



Partnerships



Source Reduction

Toxics Reduction Strategy Background

Toxics “Focus” List



Combustion & Petroleum
By-Products



Consumer Product
Constituents



Current Use Pesticides



Volatile Organic
Compounds (VOCs)



Flame Retardant and
Industrial Intermediates



Legacy Pesticides



Metals

2012 Strategy Accomplishments: Highlights

- Government purchasing of low toxicity products and materials



- Inter-state collaborations to advance safer chemistry and products



2012 Strategy Accomplishments: Highlights

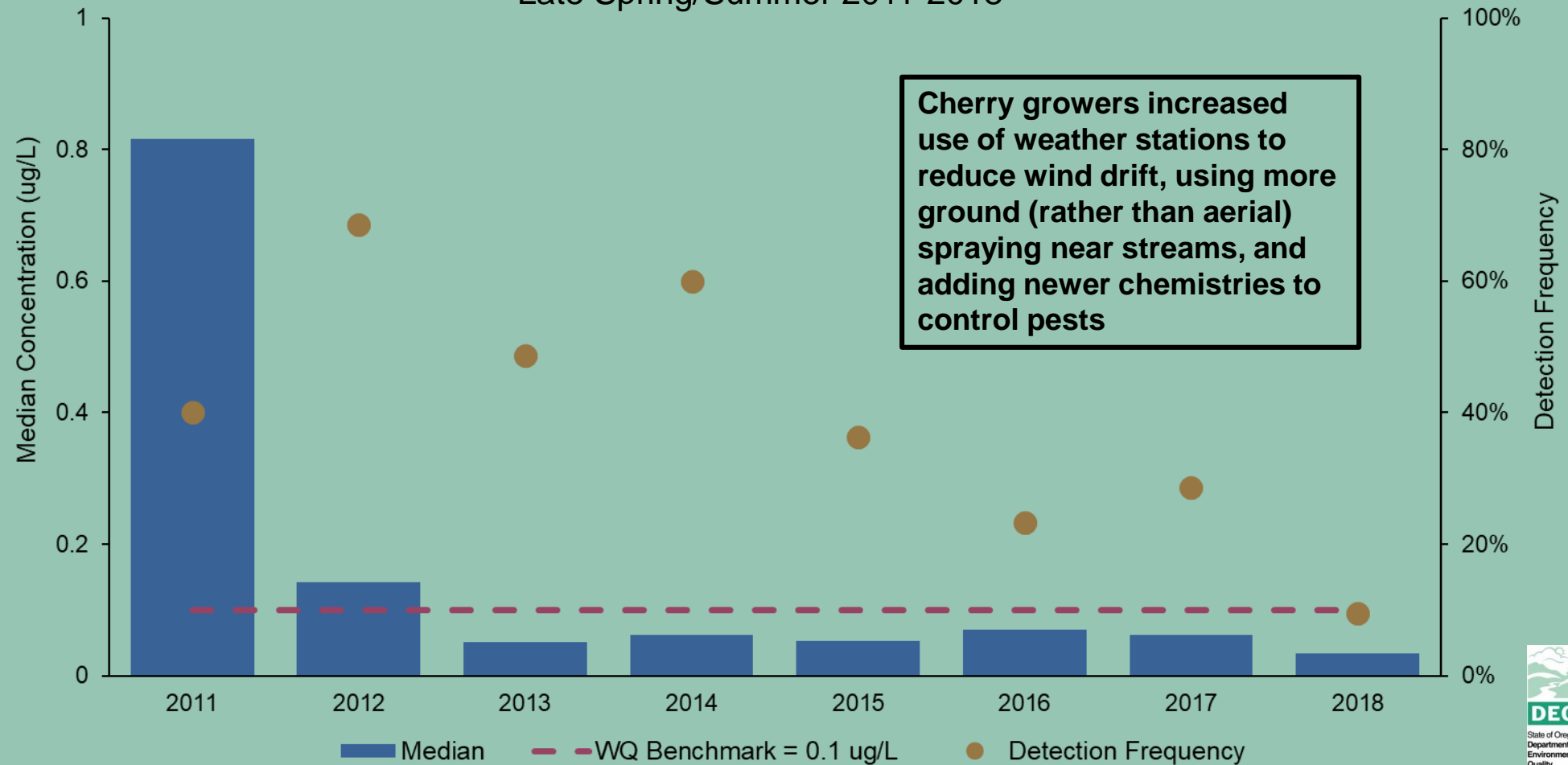
- Pesticide Stewardship Partnership Program has been supported by Oregon Legislature since 2013 to:
 - **Monitor** water quality to inform collaborative pesticide best practices
 - Increase pesticide **waste collection**
 - Provide stewardship **technical assistance** grants to support to local partners



*410,000 pounds
collected from
635 growers
and applicators
since 2014*

2012 Strategy Accomplishments: Highlights

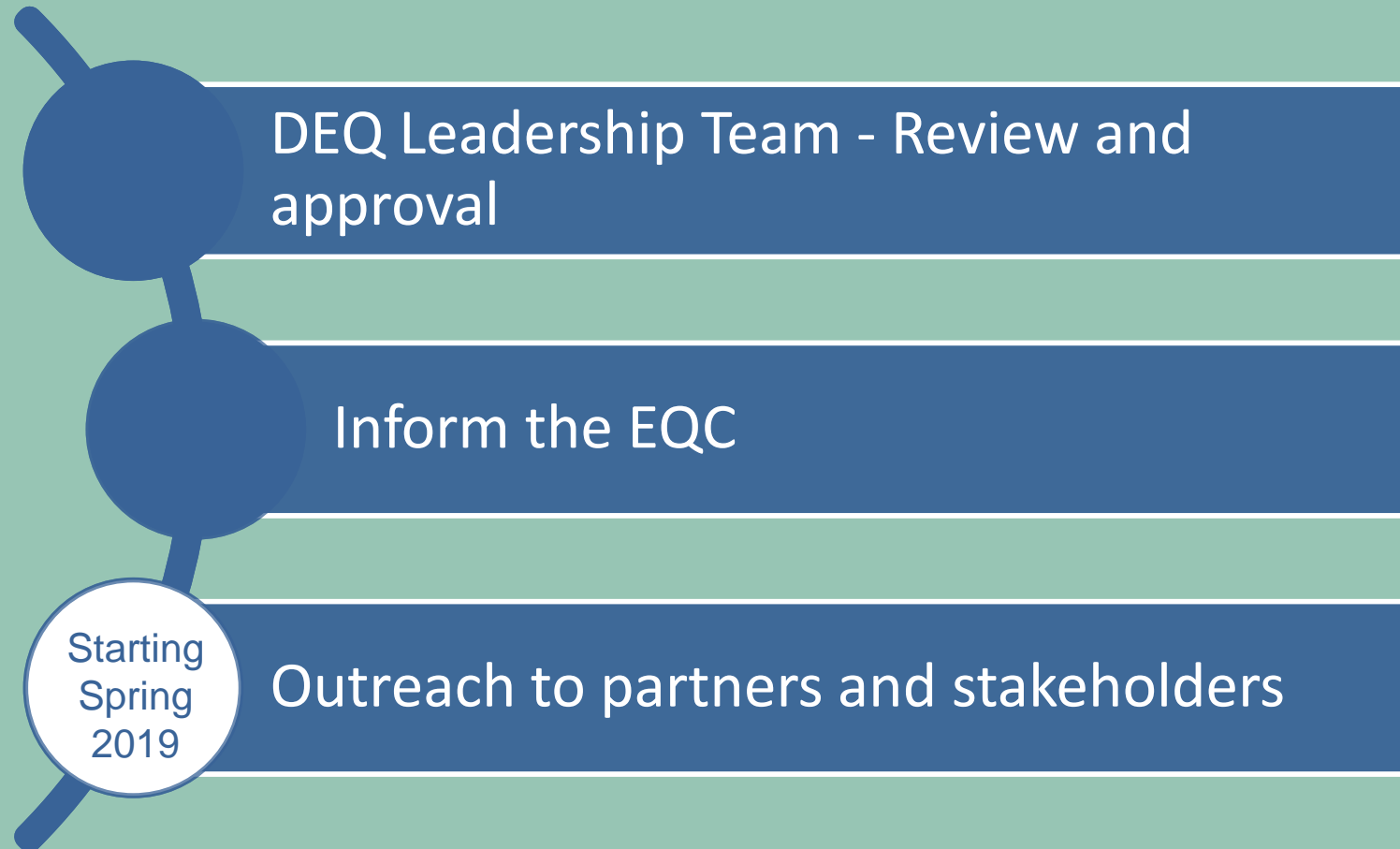
Median Concentration of Malathion Detections in the Wasco Basin
Late Spring/Summer 2011-2018



Strategy Update Process



Outreach & Information Efforts



Strategy Update Process



High-level Strategy Guiding Principles



Building on Success



Effective Communication



Implementation Partnerships



Engaging Communities



Integrated Approach

What are the major themes of the 2018 actions?

Enhance
Information
and Data

Expand
Partnerships
and
Incentives

Evaluate
Programs for
Effectiveness
and Gaps

Strategy Action Categories



Implementation-Ready Actions

- Staff or other resources (e.g., grants) secured
- First implementation tasks to begin in 2019



Program Evaluation & Research Actions

- More information needed to determine most effective path forward
- Implementation likely to begin in Year 3 or beyond

2018 DEQ Toxics Reduction Strategy Actions



Update Toxics Focus List
(Action 1)



**Monitor for Focus List Chemicals
in All Appropriate Environmental
Media**
(Action 2)



**Assess Fate and Transport of
Focus List Toxics from Consumer
Products**
(Action 9)

2018 DEQ Toxics Reduction Strategy Actions



Assess and Characterize Impacts of Diesel Emissions

(Action 10)



Build Demand for Clean Diesel Vehicles

(Action 4)



Pesticide Stewardship Program to Focus on Environmental Justice

(Action 13)

2018 DEQ Toxics Reduction Strategy Actions



Reduce Environmental and Human Exposure to Toxics from the Built Environment

(Action 3)



Partner with Product Manufacturers and others to More Fully Evaluate, Disclose, Label and Reduce Toxic Ingredients

(Action 5)



Expand Government Procurement of Low Toxicity Products and Materials

(Action 6)

2018 DEQ Toxics Reduction Strategy Actions



Evaluate DEQ's Toxics Use Reduction Regulation and Program

(Action 12)



Develop and Implement a Metals Manufacturing, Coating and Finishing Pollution Prevention Outreach Program

(Action 8)



Accelerate Safer Chemical Alternative Assessments

(Action 7)

2018 DEQ Toxics Reduction Strategy Actions



Evaluate Effectiveness of Existing Mercury Reduction Programs in Oregon

(Action 11)



Provide Toxics Reduction Technical Assistance to All DEQ Programs

(Action 14)

Thank You Team Toxics!

Team Members

- **Team Lead:** Kevin Masterson
- **Hazardous Waste:** Lisa Cox
- **Laboratory:** Lori Pillsbury
- **Water Quality:** Paula Calvert
- **Materials Management:** Jordan Palmeri
- **Air Quality:** Susan MacMillan
- **Clean Up:** Patricia Atkins
- **Communications:** Jennifer Flynt
- **Northwest Region:** Karen Terry
- **Project Manager:** Wade Peerman

Governance Team

- **Sponsor:** Leah Feldon
- **Air Quality:** Michael Orman
- **Land Quality:** Lydia Emer
- **Water Quality:** Tiffany Yelton-Bram
- **Communications:** Jennifer Flynt
- **Laboratory:** Lori Pillsbury
- **Regional Perspective:** Linda Hayes-Gorman
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Questions or feedback?

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