

PARC FY 19-21 Data Analysis

Warren Hanson, Coordinator

Pesticide Analytical and Response Center (PARC)

Oregon Department of Agriculture



**OREGON
DEPARTMENT OF
AGRICULTURE**

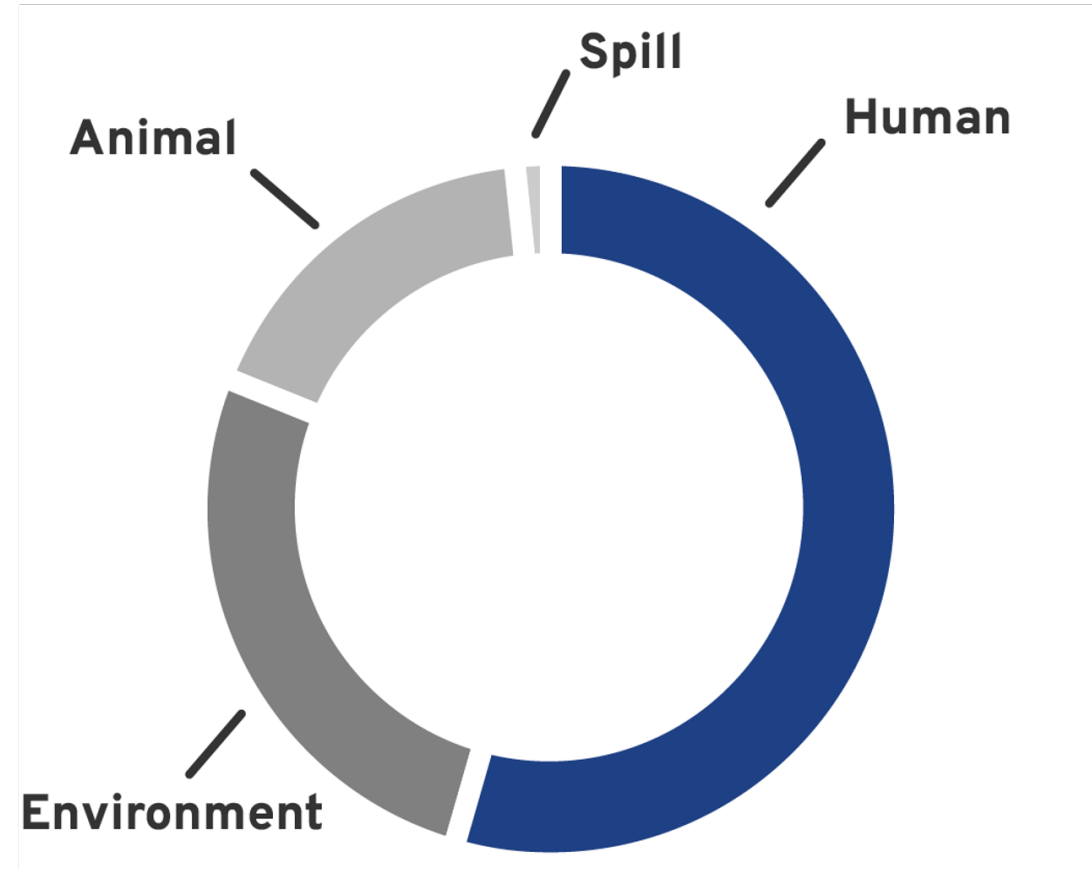
PARC FY 19-21 Overview

- 445 cases reported to PARC

- 61% concerns
- 39% incidents

- Incident entities

- 54% - people
- 27% - environment
- 17% - animals

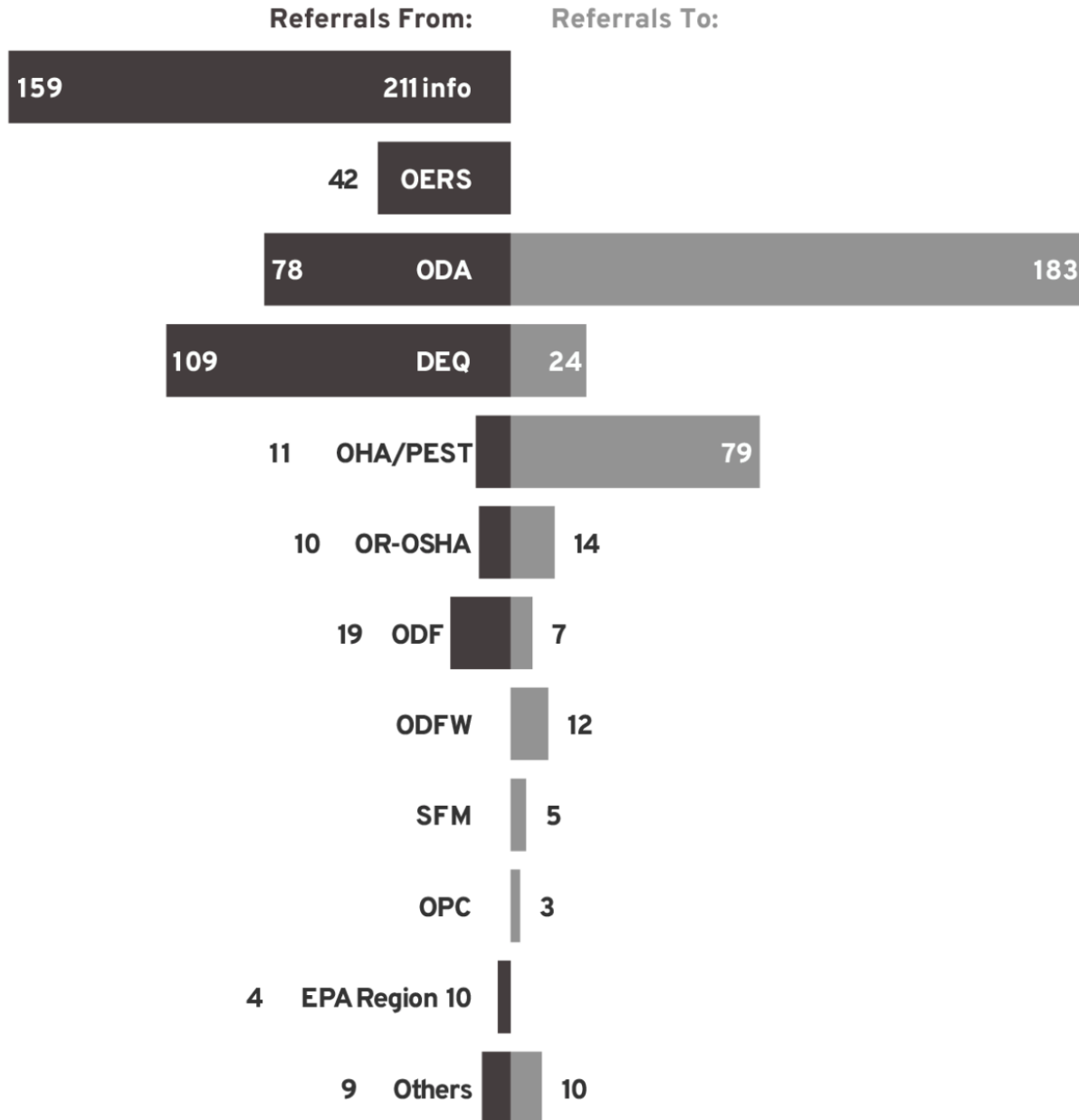


PARC FY 19-21 Overview

- Main questions posed to PARC
 - General pesticide information
 - Roundup (or glyphosate)
 - Bee deaths
 - Applications at multi-unit housing
 - Water quality concerns
 - Environmental impacts
 - Drift from aerial applications



Figure 1: Referrals Received and Made by PARC (FY 19-21)

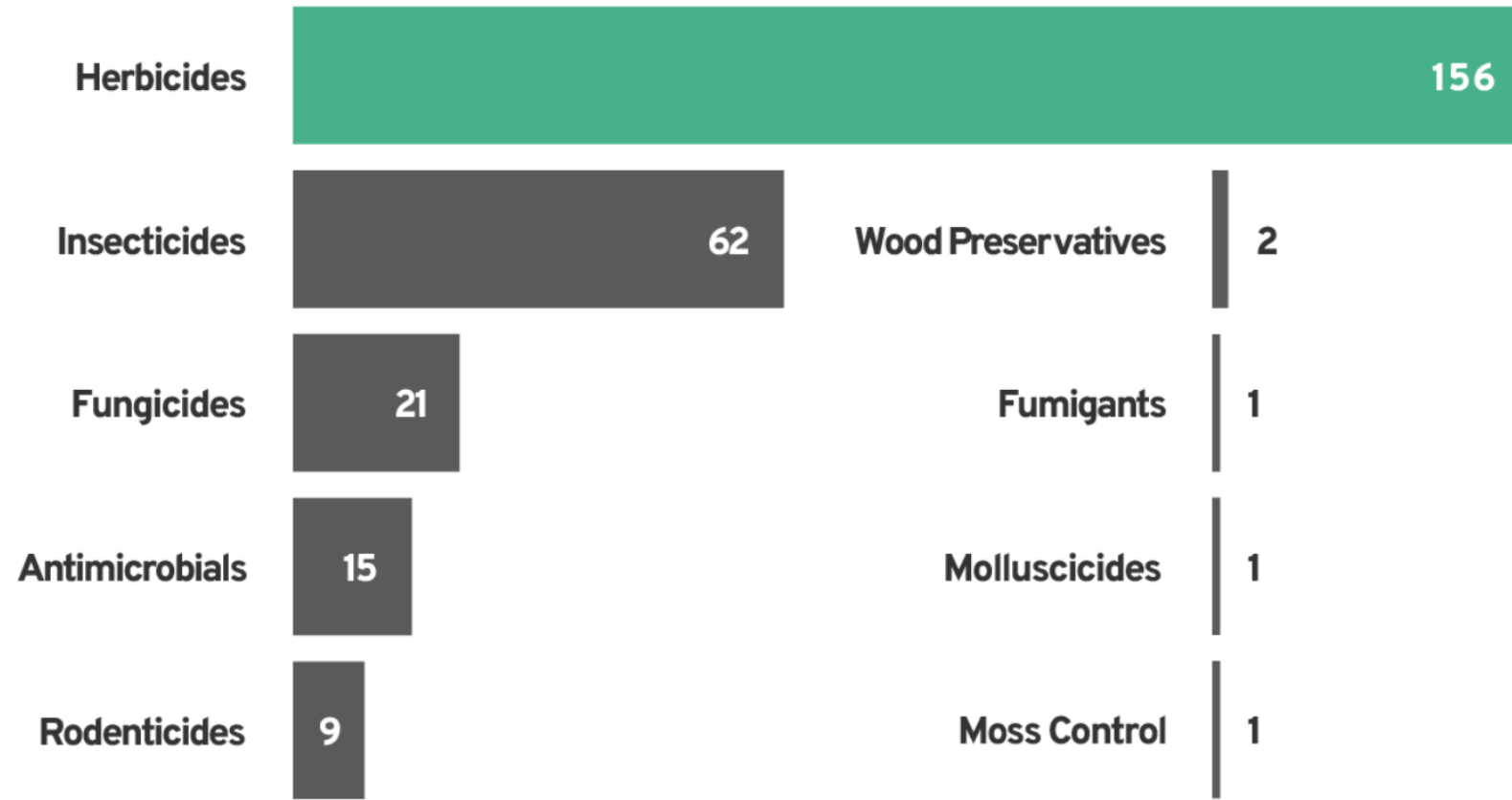


PARC Referrals

- 441 referrals received
- 337 referrals to state agencies

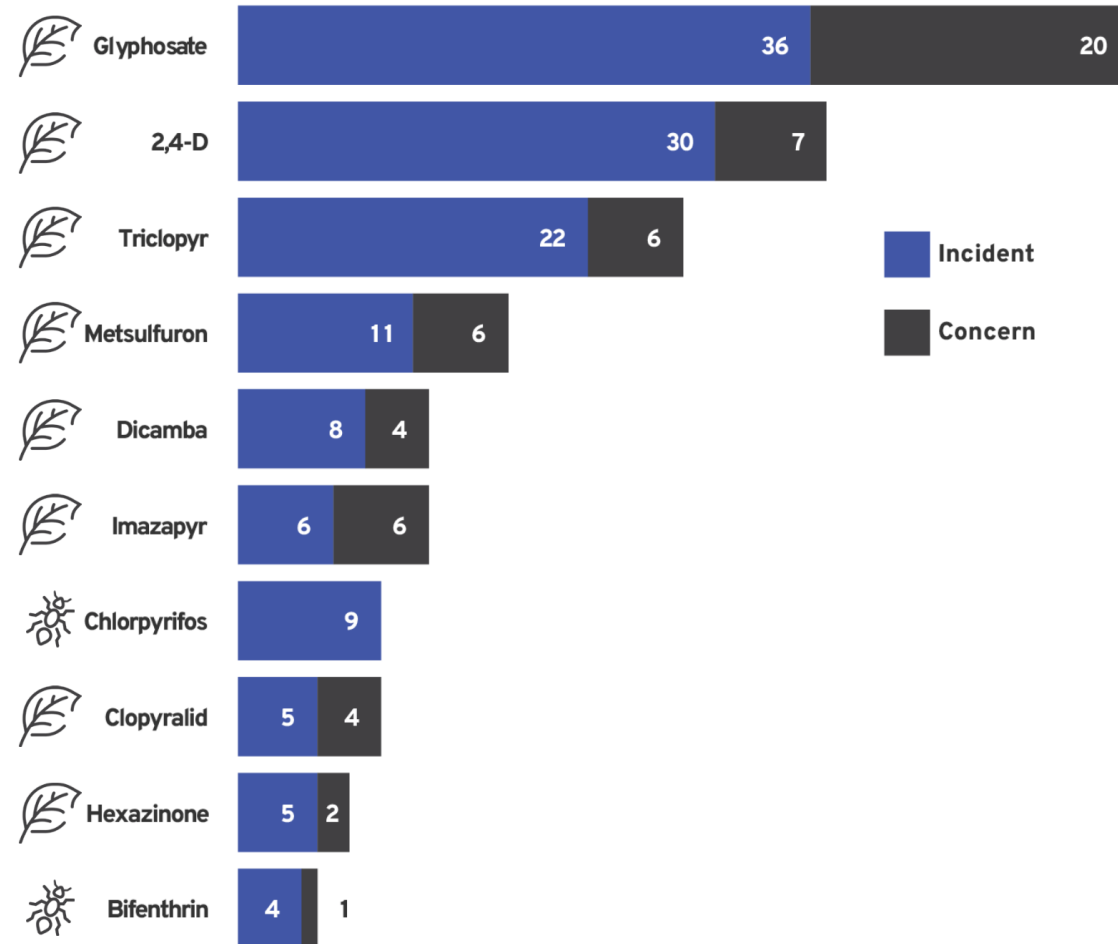
PARC Incidents (by pesticide type)

Figure 3: Types of Pesticides Involved in PARC Incidents (FY 19-21)



PARC Incidents (by active ingredients)

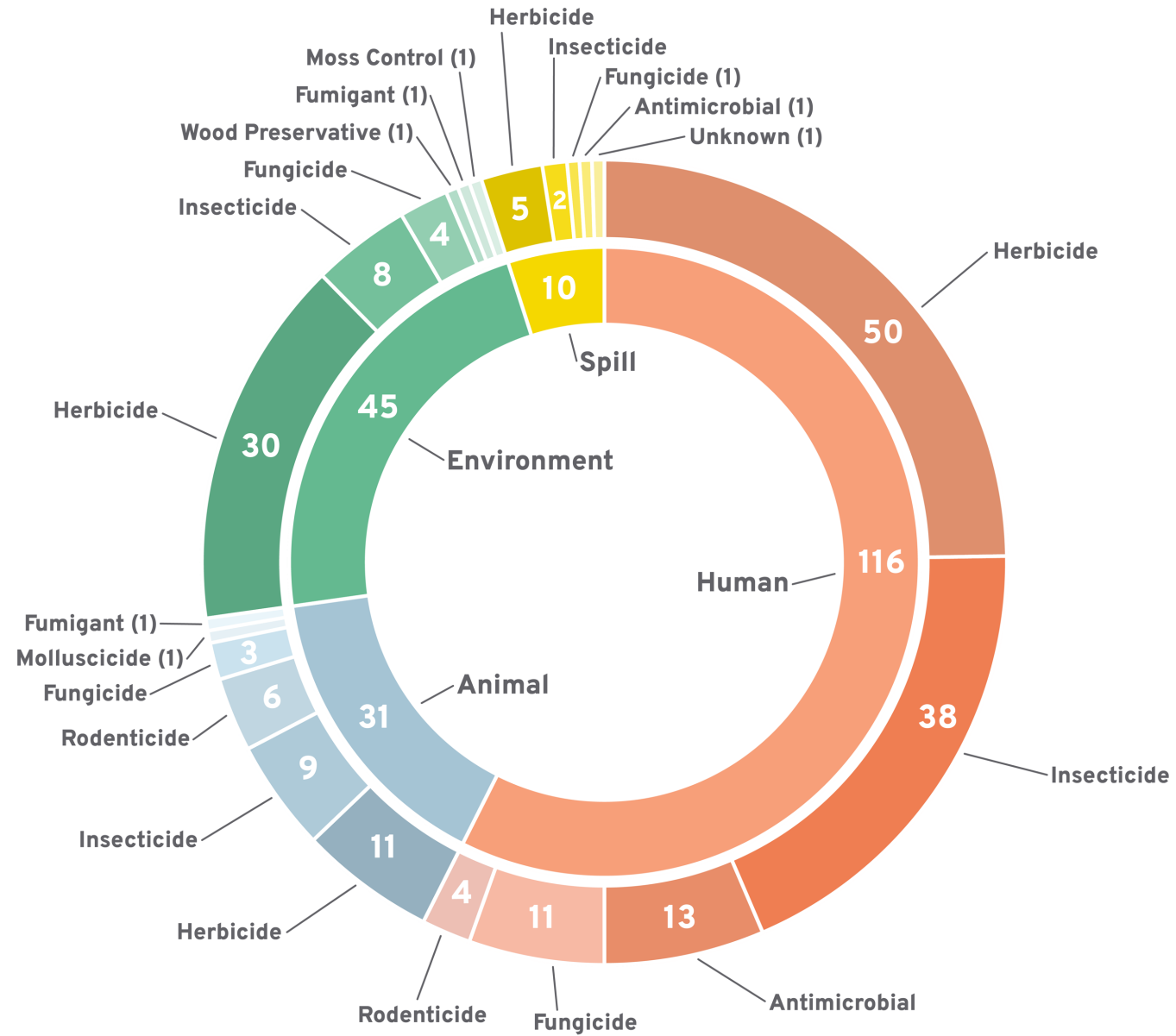
Figure 5: Active Ingredients Most Commonly Involved in PARC Cases (FY 19-21)



Notes:

- 8 of top 10 were herbicides
- Multiple forms of an AI were combined
- Cases may involve several products/AI's

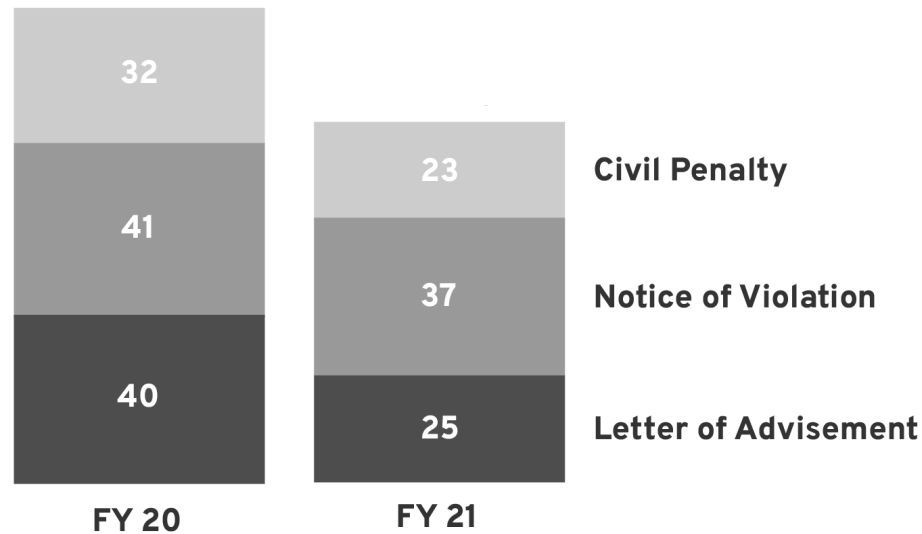
PARC incidents by entity and the type of pesticide involved



Enforcement actions

- Enforcement actions by ODA on PARC cases
 - 65 Letter of Advisement
 - 81 Notice of Violation
 - 55 Notice of Violation with Civil Penalty

Enforcement Actions Taken by ODA on PARC cases

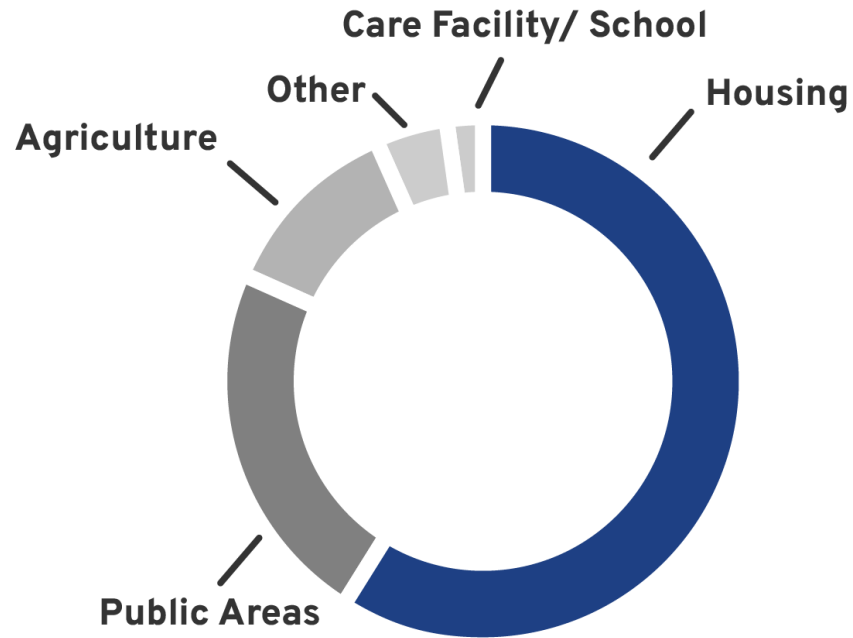


Enforcement actions by other agencies

- Oregon OSHA: 10 citations, 7 hazard letters
- DEQ: 2 citations

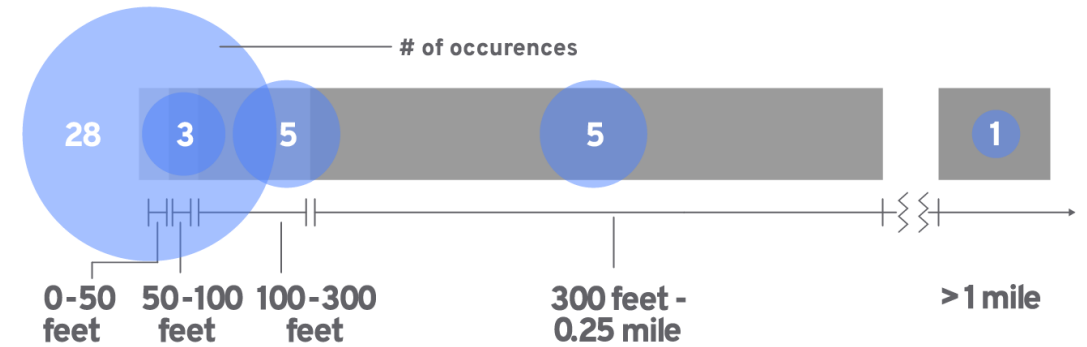
Where are incidents happening?

Most common sites of exposure



How far from the application were entities?

Distance from application for entities at time of exposure



Other Issues

- **Restricted Use Pesticides (RUP)**
 - 11 RUP involved in PARC incidents
 - Lorsban Advanced (EPA Reg #62719-591)
 - AI: chlorpyrifos
 - 24 cases involved at least one RUP
- **Contributing Factors (CF)**
 - Issues/factors that led to or explain the incident
 - Application, Exposure, and Other CF

Most common application factors that lead to incidents (FY20-21)

Misapplication	55
Drift	42
Licensing Issues	10
Repeat Offenders	10
Other	10
Accidents	4



Warren Hanson

Warren.hanson@oda.Oregon.gov

971.600.7447



**OREGON
DEPARTMENT OF
AGRICULTURE**