

US EPA ARCHIVE DOCUMENT

The Role of Use and Usage Data in OPP's Regulatory Processes

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Use Data

- **Use data refer to label instructions**
 - What is being treated?
 - Why is it being treated?
 - How is pesticide applied?
 - When is pesticide applied?



Usage Data

- **Usage data provide quantitative information regarding how much of a pesticide is applied**
 - How much of a pesticide is used?
 - On which sites?
 - In what states and/or regions?
 - What are the average and maximum application rates used by growers?
 - What time of year are applications made?
 - How is the pesticide typically applied?



Use Data Sources

- **Pesticide Product Label System**
- **Crop Data Management Systems**



Usage Data Sources

- **U.S. Department of Agriculture (USDA)**
 - NASS Agricultural Chemical Use Survey
 - Agricultural Statistics
 - Census of Agriculture
 - Crop Profiles
 - **California Pesticide Usage Data**
 - **Private marketing research data**
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Use and Usage Data in OPP Regulatory Work

- **Use and Usage data supports:**
 - Registration
 - Reregistration and Registration Review
 - Tolerance Setting
 - Cumulative Risk Assessment
 - Endangered Species Effects Determinations



Use and Usage Data and OPP Processes

- **Key role in:**
 - Risk assessment
 - Risk management

- **Also important in:**
 - Identifying usage patterns and estimating changes in usage patterns



OPP Assessments Supported by Pesticide Use and Usage Data

- **Exposure assessments**
 - Dietary (i.e., percent of a crop treated with a pesticide)
 - Environmental and Worker exposure (e.g., pesticide application rates, timing of application, and application intervals)
- **User (e.g., grower) benefit/impact assessments**
 - Biological analyses
 - Economic analyses



OPP Assessments Supported by Pesticide Use and Usage Data

- **Emergency Exemption Assessments**
 - Evaluation of urgent, non-routine pest situation
 - Identification of potential registered alternatives
 - Assessment of economic loss to growers



Use and Usage Data is of Value

- In registration processes for new pesticides and new pesticide uses
- In on-going review processes of registered pesticides
- In refining assessments of risks posed by use of pesticides
- In evaluating impact of pesticide regulation



Any Questions?

Thank you!

