

*DEVELOPING HIGHER-TIER EXPOSURE
ASSESSMENT FRAMEWORK AND RISK
MITIGATION MEASURES FOR WETLAND
ENDANGERED SPECIES ASSESSMENT
OF HERBICIDES*

WORKSHOP WEB PAGE:

[HTTPS://AG.PURDUE.EDU/ARGE/PAGES/WETLANDS.ASPX](https://ag.purdue.edu/arge/pages/wetlands.aspx)

Workshop Goals

Overall goals of the workshop are to develop a set of multi-stakeholder consensus and recommendations, which will:

- Provide a path forward to inform higher-tier exposure assessment in risk assessment for endangered and threatened species in wetland habitats;
- Lead to improved cooperation and collaboration among stakeholders to leverage available data and information regarding runoff exposure and agricultural erosion, and
- Support the development of strategies to increase producer engagement and adoption of runoff and erosion mitigation measures to protect wetland habitat

Breakout Group Discussion Questions

- What are the strengths and weaknesses of the current/anticipated model(s) for regulatory use?

Breakout Group Discussion Questions

1. What are opportunities to improve representation of processes in potential next tiered models?
2. Are there key processes missing?
3. Are there barriers to implementation?
4. Are data available to support models?

Breakout Group Discussion Questions

1. How do sheet flow, concentrated flow, and channel flow reach wetlands and/or affect wetlands differently?
 - How are relative contributions of these for both dissolved and sediment borne chemicals best determined?
2. How well are each of these represented in models?

Breakout Group Discussion Questions

1. Is better representation of transport processes in wetlands themselves needed within models?
 - What processes are missing (e.g. deposition, flow through)?
 - What are the gaps?
2. Are there additional research needs related to wetlands?

Breakout Group Discussion Questions

1. What are the challenges to practice implementation?
2. What is needed to improve representation of practices in models?
3. Are data available for proper representation of practices at the needed temporal and spatial scales?
4. What additional research on practice effectiveness is needed?

CONSENSUS STATEMENT CREATION

- Given the state of the science, how can we make progress in ways that benefit agriculture and the environment in a regulatory framework?
- What are short- and long-term projects that could help the existing methods?
 - Any low hanging fruit?
 - What remaining data do we need?

Is there a need for follow up workshops to continue advancing progress on these and related topics to benefit agriculture and the environment in a regulatory framework?

THANK YOU

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