Regulatory Oversight of Pesticides in Wisconsin

Wisconsin Neonics Forum October 30, 2024



your environmental voice since 1970

• Clean Wisconsin's Water & Agriculture Goals



Ensure every Wisconsinite has access to clean, safe drinking water



Protect Wisconsin's surface water and groundwater from contamination



Reduce greenhouse gas emissions from agriculture



Build the movement for community-led climate adaptation and water quality remediation

State Agency Roles in Pesticide Oversight



State Agency Roles in Pesticide Oversight



WI Department of Agriculture, Trade and Consumer Protection (DATCP)

- Pesticide Applicator Training and Certification
- Product Registration and Business
 Licensing
- Agri-Chemical Storage and Spills Oversight, Inspections and Enforcement
- Clean Sweep Collection Program

Elanco	
Liunco	
G	redo[…] SC
	Insecticide
	ontrol of darkling beetles and and around poultry facilities.
✓ Controls dar ✓ Broadcast or	kling beetle adults and larvae r banded treatment effective, easy to use
Net	t Contents: 30 fl oz
ACTIVE INGRE	
Imidacloprid	
OTHER INGRE	DIENTS:
	ounds of imidacloprid per gallon,
	526 grams Al/liter.
	ead the label before use.
	ut of Reach of Children.
	CAUTION
	ack Panel for First Aid.
	01563-217-11556
EPA Est. No. 92	004-1X-1

DATCP's Groundwater Protection Role



- Statewide Groundwater Survey
- Exceedance Sampling Program
- Targeted Sampling Program
- Emerging Issues Program
- Field-Edge Monitoring Program
- Surface Water Sampling Program
- Interagency Coordination

RESPONSES OF BIOLOGICAL TOXICITY TESTS TO MIXTURES

Home / Research / Responses of biological toxicity tests to mixtures of pesticides and metabolites

SUBLETHAL EFFECTS OF CHRONIC EXPOSURE TO NEONICO

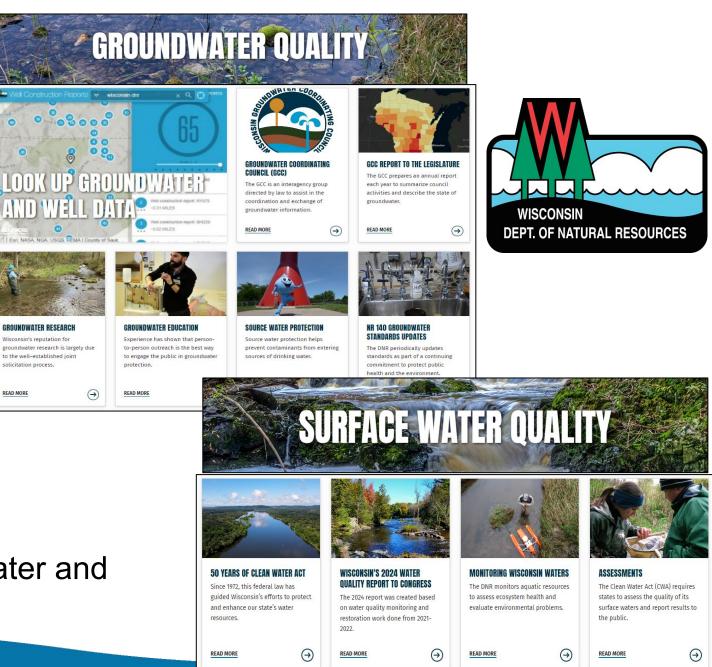
NEONICOTINOID CONTAMINANTS IN WISCONSIN GROUNDW CROPPING SYSTEMS

Home / Research / Neonicotinoid contaminants in Wisconsin groundwater: relationships to landscape c

Wisconsin Department of Agriculture, Trade and Consumer Protection Agricultural Resource Management Division Environmental Quality Unit Final 08/23/2023

State Agency Roles in Pesticide Oversight

- WI Department of Natural Resources
 - Clean Water Act
 - Water Quality Monitoring
 - Standards for:
 - Drinking Water, Surface Water and Groundwater Quality

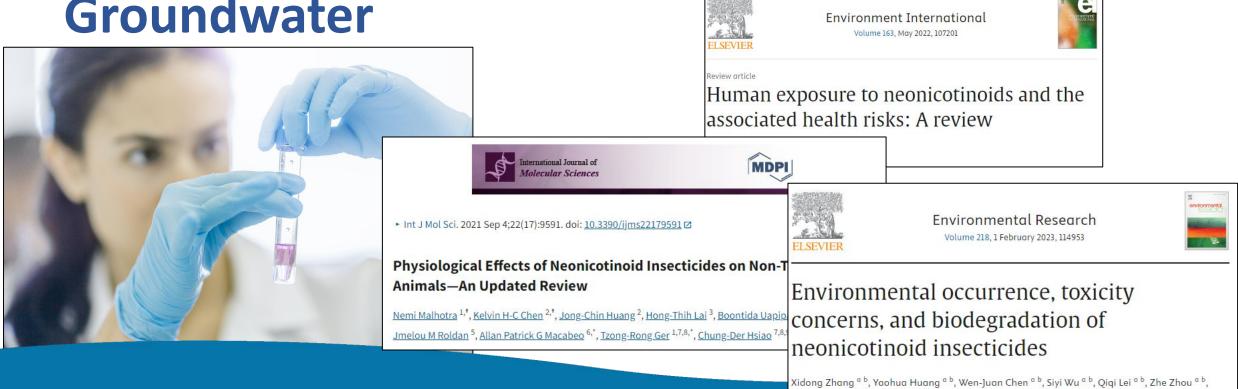


State Agency Roles in Pesticide Oversight – Groundwater

WI Department of Health Services

- Reviews available scientific information
- Federal numbers, state drinking water standards, acceptable intake levels form the EPA or other peer reviewed research studies

Wenping Zhang a b, Sandhya Mishra c, Pankaj Bhatt d 📯 🖾 , Shaohua Chen a b 📯 🖾



Roles in Pesticide Oversight – Groundwater





State agencies identify substances that are or may be in groundwater.

DNR requests DHS review.



DNR proposes rules.











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Share findings.

Gather relevant scientific information. Select the appropriate standards. Document findings.

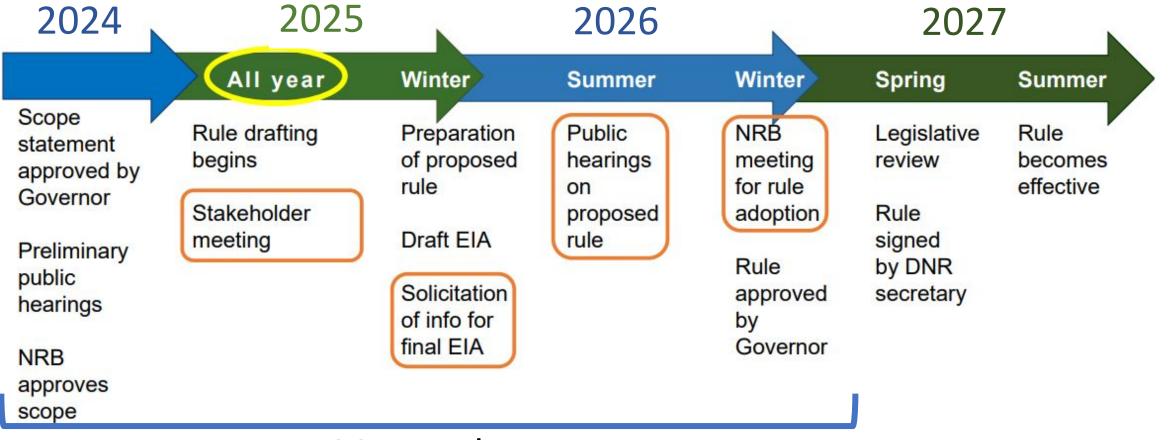
Groundwater Standards –



	Cycle 10	ale and a second second	Table of Co	ntents	
Γ	WISCONSIN DEPARTMENT	ed Groundwater atandards	bstances wit	hout Existing Groundwater Standards alent*	1
	WISCONSIN DEPARTMENT of HEALTH SERVICES	Imidacloprid 2022			19 29 39
		Substance Overview			61
		Imidacloprid is a neonicotinoid pesticide used to control a var Neonicotinoids are broad spectrum insecticides used on agric			70 80 89
		Neonicotinoid pesticides are similar to nicotine in their structu on the nicotine receptors in insects, resulting in paralysis and		idate hyl ate	101 108
D		Recommendations	Current Standards Enforcement Standard: N/A	te	118 129
	Recommended Public Health	Wisconsin does not currently have an NR140 Groundwater Quality Public Health Enforcement Standard for imidacloprid.	Preventive Action Limit: N/A Year:	gradate	143 154
R	Groundwater Quality Standards	DHS recommends an enforcement standard of 0.2 micrograms per liter (µg/L) for imidacloprid. The	Recommended Standards Enforcement Standard: 0.2 µg/L	coli (E. coli) id (PFOA)*	161 166
	Scientific Support Documents for Cycle 10 Substances	recommended enforcement standard is based on a study in 2017 that found that imidacloprid affected weight gain and	Preventive Action Limit: 0.02 μg/l		190
R		glucose regulation in male mice. ²		Existing Groundwater Standards	
	DHS Pub. 02434v-2 (05/2024)	DHS recommends that the NR140 Groundwater Quality Public Health Preventive Action Limit for imidacloprid be set		CE) (PCE)	217 227
1. F	1. Finding/nature of emergency (Emergency Rule	at 10% of the enforcement standard because recent studies have shown that imidacloprid can cause mutagenic, teratogenic, and interactive effects at high levels. ^{1,3-6}		(PCE) ne (1,2,3-TCP) 1,1-DCA)	236 247
The	rule will be proposed as a permanent rule.	Health Effects			254 265
2 Detailed description of the objective of the prov		What we know about the health effects of imidacloprid comes from studies with laboratory animals. Animals that swallowed large amounts of imidacloprid for long periods of time had thyroid, neurological, reproductive, and glucose regulation problems. ^{1, 2, 7-11}			274 293 305
pro	e objective of the proposed rule is to set numerical grams to minimize the concentration of polluting s.07(5), Stats.].	The EPA has classified imidacloprid as having evidence of non- cause cancer in animal studies. ¹ Some studies have shown that effects in animals. ¹ Recent studies have shown that high levels effects in mice and can have interactive effects with arsenic in	at imidacloprid can cause teratogenic s of imidacloprid can cause mutagenic	rm updated based on feedback received during the public comment period.	314 327

	L.	ONR PERMANENT RULE PROCI 2023	ESS		
PHASE I – Scope Statement Approval	7. Department may be directed to hold preliminary a public hearing on	PHASE II – Rule Preparation	21. Notice of public hearing published in the Register and	28. Final rule submitted to and approved by the Governor.	
1. Scope statement completed and	scope statement completed and roved by the Secretary.scope statement. Notify NRB Liaison by email if preliminary hearing is requested. If JCRAR does not request preliminary public hearing, move onto step 12.cope statement submitted to a.8. Green Sheet package submitted 	14. Proposed rule language prepared in board order format.	posted on DNR external website and hearings calendar.	PHASE VI – Legislative Review	
approved by the Secretary.		PHASE III – Economic Impact Analysis		29. Report to Legislature and	
2. Scope statement submitted to DOA.		15. Fiscal estimate and economic impact analysis (FE/EIA) prepared.		 25. Report to begistatile and Notices prepared and submitted to Assembly and Senate Chief Clerks. Rule must be submitted for legislative review before the scope statement 30-month expiration date. 30. Rule referred to and reviewed by Standing Committees. 	
3. Scope statement submitted to and approved by the Governor.		16. Solicitation Notice prepared for comments on EIA. Solicitation Memo to NRB prepared.	23. Rule language revised based on external review.		
4. Approved scope statement submitted to LRB, JCRAR, and NRB.		16a. Program briefing on draft rule and EIA.	24. Request for incorporation by reference submitted to AG if rule		
5. LRB publishes the scope statement in the Register. Scope		17. Solicitation Memo submitted to NRB for information.	requires incorporation by reference.	31. Rule referred to and reviewed by JCRAR.	
statement 30-month expiration starts on day of publication.		18. Solicitation Notice posted on DNR website, published in the Register, and submitted to affected parties.	PHASE V – Rule Approval	PHASE VII – Promulgation	
6. Yellow Sheet submitted to reserve time on the NRB agenda for approval of scope statement, conditional approval of the notice of public hearing and the notice of submittal of the proposed rule to the Legislative Council (notices), and approval of preliminary public hearing.			25. Yellow Sheet submitted to hold a place on NRB's agenda for	32. Final Rule signed by the Secretary.	
		PHASE IV – External Reviews	adoption of proposed rule.	33. Final Rule filed with LRB.	
	12. Green Sheet package submitted to request NRB's approval of scope statement and notices.	19. Public hearing documents prepared and submitted to NRB for 15-day passive review.	26. Green Sheet package submitted to request NRB adoption of proposed rule.	34. Rule proof received by LRB and reviewed by program.	
	13. NRB meeting to approve scope statement and notices.	20. Rule documents submitted to the Legislative Council.	27. NRB meeting for adoption of final rule.	35. Final rule published in the Register. Rule becomes effective the first day of the month following publication.	

•••• WI Rulemaking Timelines



30 months

Once Groundwater Rules are Established

• Agencies will:

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- **Review existing rules** regulating facilities, activities, and practices that may be sources of contamination (Wis. Stats. 160.19)
- **Revise existing rules** to require site-specific actions and meet groundwater standard (Wis. Stats. 160.21-26)

• DNR will use them to:

- Set design standards for facilities, practices and activities regulated by the state
- Take a response action to remediate contamination (ex. Require site cleanup, apply restrictions to authorized discharges of treated liquid and solid waste, increase regulation of solid waste landfills, etc.)

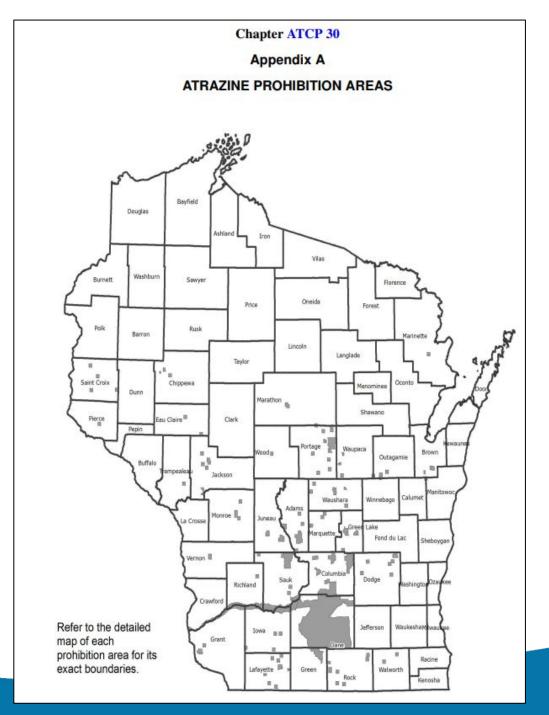
• DATCP can...

• Take measures to protect groundwater by **restricting or prohibiting chemical**

to change to Wis. Admin. Code § ATCP 30 and

Atrazine Prohibition Areas – A Real-Life Example

- Wis. Stats. 94.67-97.71 gives DATCP authority to restrict or prohibit pesticide use
- 1991 Established Atrazine mgmt. area and six (6) atrazine prohibition areas
- Grew to all prohibition areas representing **1.2 million acres** across 35 counties
- Hasn't changed since 2010



• What else?

Representative Snodgrass

Meet Lee News

Agenda

Resources

Explore Wisconsin

Pollinator Protection Package



Agenda Pollinator Protection Package 2023-2025 Biennial Budget Issues

Committees and Caucuses

JUNE 2023 AS POLLINATOR AWARENESS MONTH

POLLINATOR PROTECTION PACKAGE

NOT NOT

LRB-2939: JUNE 2023 AS POLLINATOR AWARENESS MONTH Designates June 2023 as Pollinator Awareness Month in Wisconsin.

RUSTY PATCH BUMBLE BEE AS TH STATE NATIVE INSECT

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STATE NATIVE INSECT

POLLINATOR PROTECTION PACKAGE

LRB-2728: RUSTY PATCHED BUMBLE BEE AS THE STATE NATIVE INSECT

Designates Rusty Patched Bumble Bee as the state native insect and requires the Wisconsin Blue Book to include information concerning that designation.

ATIVE PRAIRIE AND FORAGE PLANTS

POLLINATOR PROTECTION PACKAGE

LRB-3135: NATIVE PRAIRIE AND FORAGE PLANTS Requires state agencies and other state governmental entities to give preference to using native prairie and forage plants to benefit pollinators. DNR is required to provide information to support this initiative upon request.

AN ONR USE OF CERTAIN

POLLINATOR PROTECTION PACKAGE

SUGALITUR NO

LRB-2942 : BAN DNR USE OF CERTAIN INSECTICIDES Prohibits DNR from using any insecticide from the neonicotinoid class near any pollinator habitat locator on DNR maintained land.

PROTECT POLLINATORS

POLLINATOR PROTECTION PACKAGE

LRB-2937: LOCAL REGULATION OF PESTICIDES TO PROTECT POLLINATORS

Allows a political subdivision to regulate posticides for the purpose of protecting pollinators and pollinator habitats. Pollinator in the bill is defined as an insect that pollinates flowers.

ABELING PLANTS AS BENEFICIAL TO OLLINATORS

POLLINATOR PROTECTION PACKAGE

LRB-2938: LABELING PLANTS AS BENEFICIAL TO POLLINATORS Prohibits a person that provides or sells plants at

retail from labeling or advertising a plant as being beneficial to polinators if that plant had been treated with insecticides that contain warnings about polinator hazards on their labels.

SPECIALTY "PROTECT POLLINATORS LICENSE PLATE

COMPLETE.

POLLINATOR PROTECTION PACKAGE

LRB-3240: SPECIALTY "PROTECT POLLINATORS" LICENSE PLATE

Requires that plates issued to members of the special group, that express support for protecting pollinators, have a design that includes words, "Protect Pollinators". Voluntary payments, issued when plates are requested, are deposited in DNR's endangered resources conservation fund.

Regulatory Oversight of Pesticides in Wisconsin

Thank you!

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your environmental voice since 1970