

The Tribal Pesticide Program Council:

Promoting the Responsible Use of Pesticides to Protect Tribal Lands and Communities

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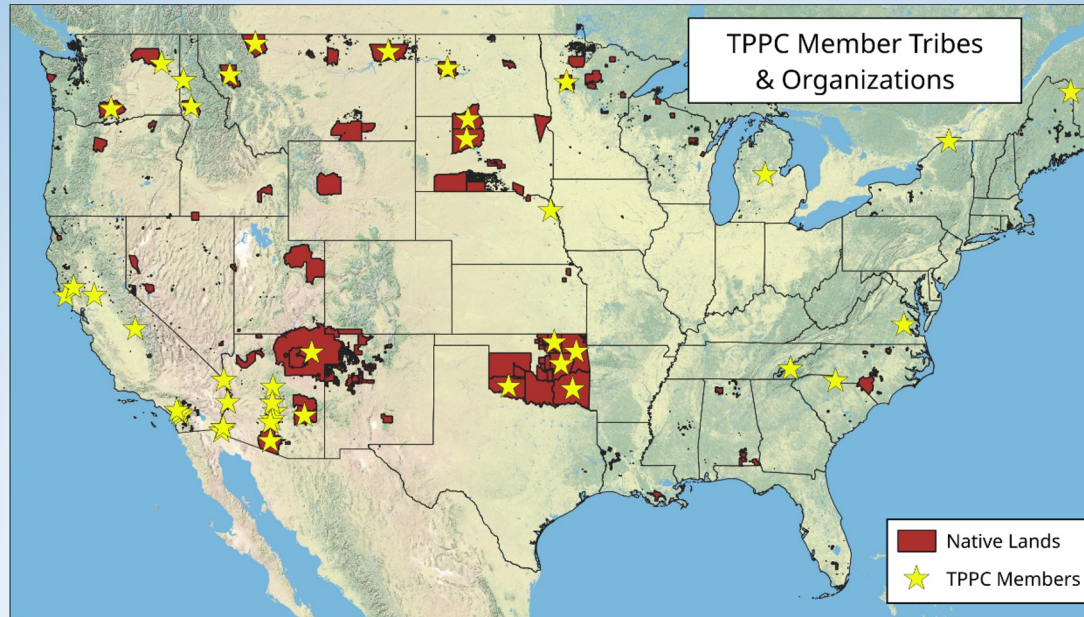


The Tribal Pesticide Program Council

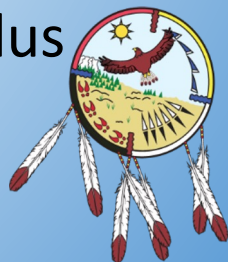
- Established in 1997, with support from the EPA's Office of Pesticide Programs
- Purpose: to be a tribal technical resource and program and policy development dialogue group, focused on pesticides issues and concerns (both agricultural and structural)
- Funded through a cooperative agreement between the EPA and the Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University
- Not a substitute for government-to-government consultation



Membership & Governance



- Made up of individuals from Tribes and tribal organizations across the country
- Currently comprised of 99 members from 62 Tribes and tribal organizations
- Governed by an Executive Committee with a chair and co-chair, representatives from each of the 10 EPA regions plus Alaska, and 4 at-large representatives
- Executive Committee members elected for 2-year terms



Calls and Meetings

- Executive Committee calls held monthly – these are open to anyone, and often include presentations by EPA or other federal agencies
- Full Council meetings held in person twice per year, typically one at a tribal facility and the other in Washington, DC to meet with federal officials



The Fall 2024 in-person meeting hosted by the Choctaw Nation of Oklahoma



Collaborators

- The TPPC works on issues of common interest with groups such as:
 - National Tribal Operations Committee (NTOC)
 - Regional Tribal Operations Committees (RTOC)
 - The EPA American Indian Environmental Office (AIEO)
 - The Pesticide Program Dialogue Committee (PPDC)
 - The State FIFRA Issues Research & Evaluations Group (SFIREG)
 - Association of American Pesticide Control Officers (AAPCO)
 - Association of Structural Pest Control Regulatory Officials (ASPCRO)



Issues Addressed by the TPPC

- Integrated Pest Management (IPM)
- Worker Protection Standard
- Pest Control in Schools and other Tribal Facilities
- Certification & Training
- Endangered Species
- Pesticide Drift
- Structural Pesticide Use
- Agricultural Use
- Bed Bugs/Pests
- Plus we have three workgroups that meet monthly to focus on broad topics including:
 - Pollinator Protection
 - Risk Assessment
 - Direct Implementation



TPPC Engagement with EPA and Other Federal Agencies

- White papers & issue papers on topics such as persistent organic pollutants, tribal pesticide training needs, concerns about cannabis cultivation on tribal lands
- Comments on regulatory actions & documents such as treated seeds regulation, EPA Office of Enforcement and Compliance Assurance Cooperative Agreement Guidance, and EPA's Strategic Plan
- EPA Tribal Pesticide Team members attend all TPPC calls and meetings to inform members of upcoming actions and convey tribal concerns back to the agency



Recent Activity

- Submitted comments to EPA on the agency's request for feedback on the regulation of treated seeds, as well as proposed revisions to rodenticide regulations
- Risk Assessment workgroup helping EPA coordinate a project with the White Earth Nation of Minnesota to gather tribal consumption & use data to better incorporate tribal exposures into EPA risk assessments

Collaboration with States

- Continue working with states on agreements for traditional gathering on public lands (discussed in AAPCO's Spring meeting last year)
- Work with states to determine how (or if) different states notify residents that pesticides will be sprayed in their area, and share that information with Tribes
- Continue pushing the federal government for better regulation of pesticides used on hemp and marijuana grow operations
- Work on a notification mechanism for Tribes when the underlying certificate bearer revokes, suspends or has multiple violations of an applicator who also holds a federal certification



Status of Pesticides in Indian Country Report

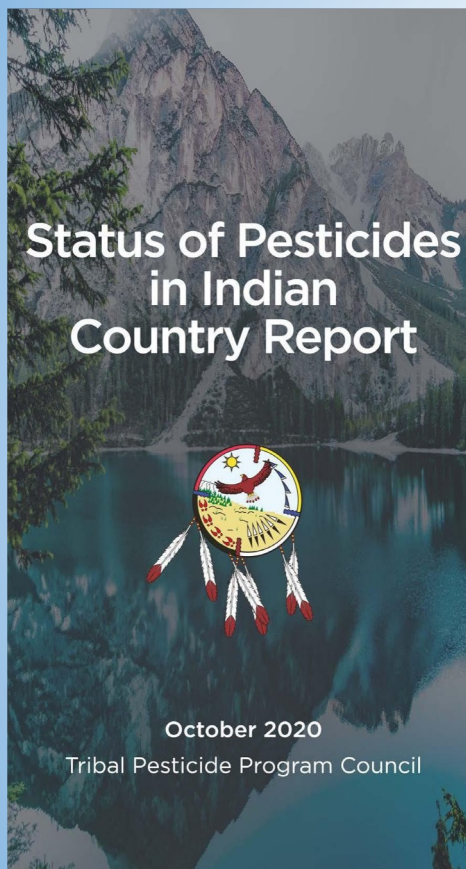


October 2020

Tribal Pesticide Program Council

Reasons for the Status of Pesticides in Indian Country Report

- Compile in one place a periodic list of the major pesticide-related issues and concerns that affect Indian Country.
- Educate tribal leadership.
- Educate EPA and other federal agencies.
- Serve as an advocacy tool.
- Anyone else who has a genuine interest in Indian country and how pesticide use impacts tribes.



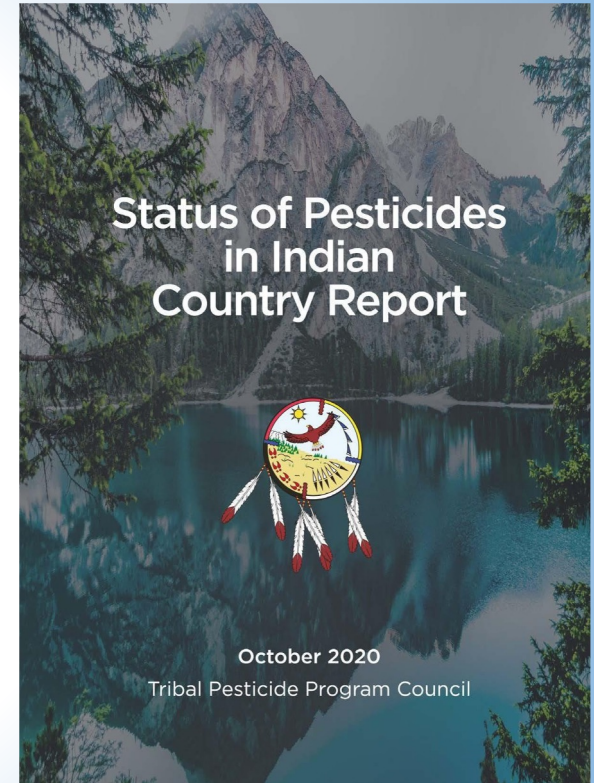
Report Sections

- **Section 1:** Direct Implementation
- **Section 2:** Risk Assessments for Pesticides
- **Section 3:** Pesticide Funding
- **Section 4:** Pesticide Education and Training
- **Section 5:** Pesticide Enforcement and Compliance



Imperfect Report

- A living document
- Changing and updating
- Out of this partnership :
 - Bed Bug Issue Paper
 - Pollinator Protection Work Group
 - Risk Assessment Work Group
 - Direct Implementation Workgroup
 - Development of website.
 - [Tribal Pesticide Program Council - Tribal Pesticide Program Council \(tppcwebsite.org\)](http://tppcwebsite.org)



TPPC Pollinator Protection Working Group

- Meets monthly
- Chairs: Nina Hapner & Jasmine Courville
 - Review the State of the Science on Pollinators
 - Review of requested input as a group
 - Discussions on issues and concerns affecting tribal communities and perspectives



TPPC

TRIBAL PESTICIDE
PROGRAM COUNCIL



<https://tppcwebsite.org/pollinators/>

The Tribal Pesticide Program Council (TPPC) is comprised of over 30 Tribes nationally who are committed to raising pesticide related issues to the national stage



Institute of American Indian Arts ~ Ag Extension Program

Santa Fe, New Mexico- USA

www.iaia.edu/outreach

POLLINATOR & HABITAT RESTORATION

- Student Research
- Continuing Education
- Seed Collection
- Community Engagement

PROGRAMS:

- Tribal Beekeeping & Pollinator Stewardship Course
- Grasslands & Pollinators for Tribal Colleges
- The IAIA Tribal Apiculture & Pollinator Conservation Research Project



COLLABORATIONS & COMMUNITY PARTICIPATIONS:

- USDA Office of Tribal Relations (DC)
- USDA-ARS Southwest Climate Adaptation Science Center (NM)
- USDA-ARS Pollinating Insect Research Lab (UT)
 - NM Food & Ag Policy
 - Quivira Coalition
 - NM Coalition to Enhance Working Lands
- Tribal Pesticide Policy Council
- Tribal Alliance for Pollinators)

Empowering creativity & leadership in Native Arts & Cultures through higher education, lifelong learning, & engagement.

The Intention of PPPs

PPPs give states the opportunity to bring stakeholders together in a collaborative effort to protect pollinators outside of a regulatory infrastructure. These plans can be tailored to each state's specific needs and circumstances.

<https://nmlegis.gov>

Important Facts

1. A working group will be established to enhance pollinator health through community education and outreach, and data collection.
2. This working group will collect data annually on the number of both hobbyist and commercial beekeepers and managed honey bee colonies in the state of New Mexico.
3. Data collection can help groups such as the New Mexico Department of Agriculture, NMBKA, and others request funding for research and other projects.

Education, Outreach, and Data

This Memorial will provide groundwork for future collaborations and efforts to protect pollinators.

To view NMBKA's full Pollinator Protection Plan and to sign Letters of Support go to nmbeekeepers.org/ppp or use this QR code



THANK YOU to all the advocates, and supporters for getting this initiative recognized by the NM State Legislature!

SUPPORT HM33

PASSED UNANIMOUSLY!!

**NM POLLINATOR PROTECTION
PLAN WORKING GROUP**



Now the real work begins. Stay tuned for Updates!
Email: nmpollinatorprotectionplan@gmail.com

MANAGED POLLINATOR PROTECTION PLAN WORKING GROUP

- <https://www.canr.msu.edu/courses/pollinator-protection>

Pollinator Protection for Pesticide Applicators

Register

Overview

Pesticide applicators can learn how they can support bees and other pollinators through the Pollinator Protection for Pesticide Applicators online course.

The online course is self-paced, allowing students to review course materials at their own pace and on their own schedules. The course takes about an hour to complete.



Risk Assessment Pilot Project

- TPPC/ITEP
- White Earth
- Heath Effects
Division (HED)
- Office of Chemical
Safety and Pollution
Prevention (OCSPP)





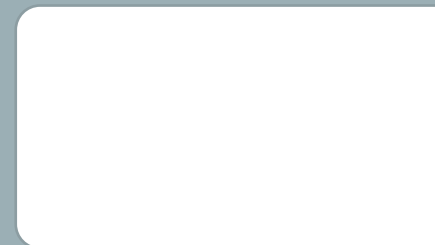
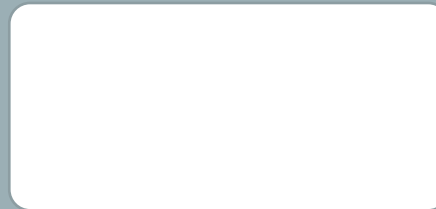
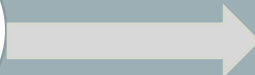
Tribal Lifeways

- Hunting and Fishing
- Farming and Ranching
- Gathering Activities
- Preparation of Traditional Materials Including Mouthing of such Materials
- Collection and Use of Edible and Medicinal Resources
- Consumption of Plants Gathered and Animal Collected Locally
- Ceremonial Activities

Step 1:
Compile chemicals of
interest

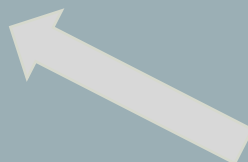
Step 2:
Compile exposure
scenarios of interest

**TPPC RISK ASSESSMENT WORKGROUP
HED PROJECT PLAN**



Step 8b:
For qualitative assessments, write
up explanation/justification

Step 8a:
For quantitative assessments, will
need to compile list of inputs and
assumptions (e.g., crop residue
data, exposure time, etc)



Step 7:
Determine which chemicals require quantitative vs qualitative assessment

Example: low toxicity chemicals might only require qualitative
assessment; even if high exposure, if there is no toxicity, then no
risk

Pesticides	BEAD data - top pesticides on top crops (5/22/23 ppt)				WEN priority list from 4/18/23 email (based on the sample results of a 2017 surface water analysis)	Biomonitoring study (2018 Healthy Rural and Urban Kids Project)	BEAD data - non ag use sites (5/22/23 ppt)				BEAD data - top pesticides on top crops (5/22/23 ppt)				MN Department of Agriculture Surface and Groundwater Data	
	1998-2007 - Based on total acres treated						Based on anecdotal info (MN Department of Agriculture) and data for north-central US	Based on data for north-central US in 2019	Based on data for north-central US in 2021	Based on data for north-central US in 2019	2012-2021 - Based on total acres treated				Surface 2021 data	Groundwater 2021 Data
	Corn	Soybeans	Sugarbeets	Spring Wheat			Aquatic	Forestry	Golf Courses	Roadsides and ROWs	Corn	Soybeans	Sugarbeets	Spring Wheat		
2,4-D					X	X	X	X	X							
Acetochlor	X						X			X					X	
Aquathol							X									
Aluminum tris									X							
Atrazine	X				X					X					X	
Bromoxynil				X									X			
Chloransulam-methyl																

HED looked across the following data sources to identify pesticides of potential concern:

- Priority pesticide list from WEN based on 2017 drinking water monitoring
- 2018 Biomonitoring study data- urine samples in rural vs. urban kids
- BEAD data on top crops/pesticide usage in Minnesota (1998-2007 and 2012-2021)
- BEAD data on pesticides for non-agricultural use sites (1998-2007 and 2012-2021)
- 2021 MN Dept of Agriculture surface and groundwater monitoring data

Step 1: Compile chemicals of interest - Data Sources Reviewed

Preliminary Research Results:
Pesticides of potential concern identified for the WEN region that could be considered for Pilot Project

Acetochlor

Atrazine

Clothianidin

Imidacloprid


Others?

2,4-D
Glyphosate


Step 2: Compile exposure scenarios of interest

For example:

Gathering items (ag or non-ag) from Public Lands, such as
picking reeds (to use for basket weaving) collecting berries along highways



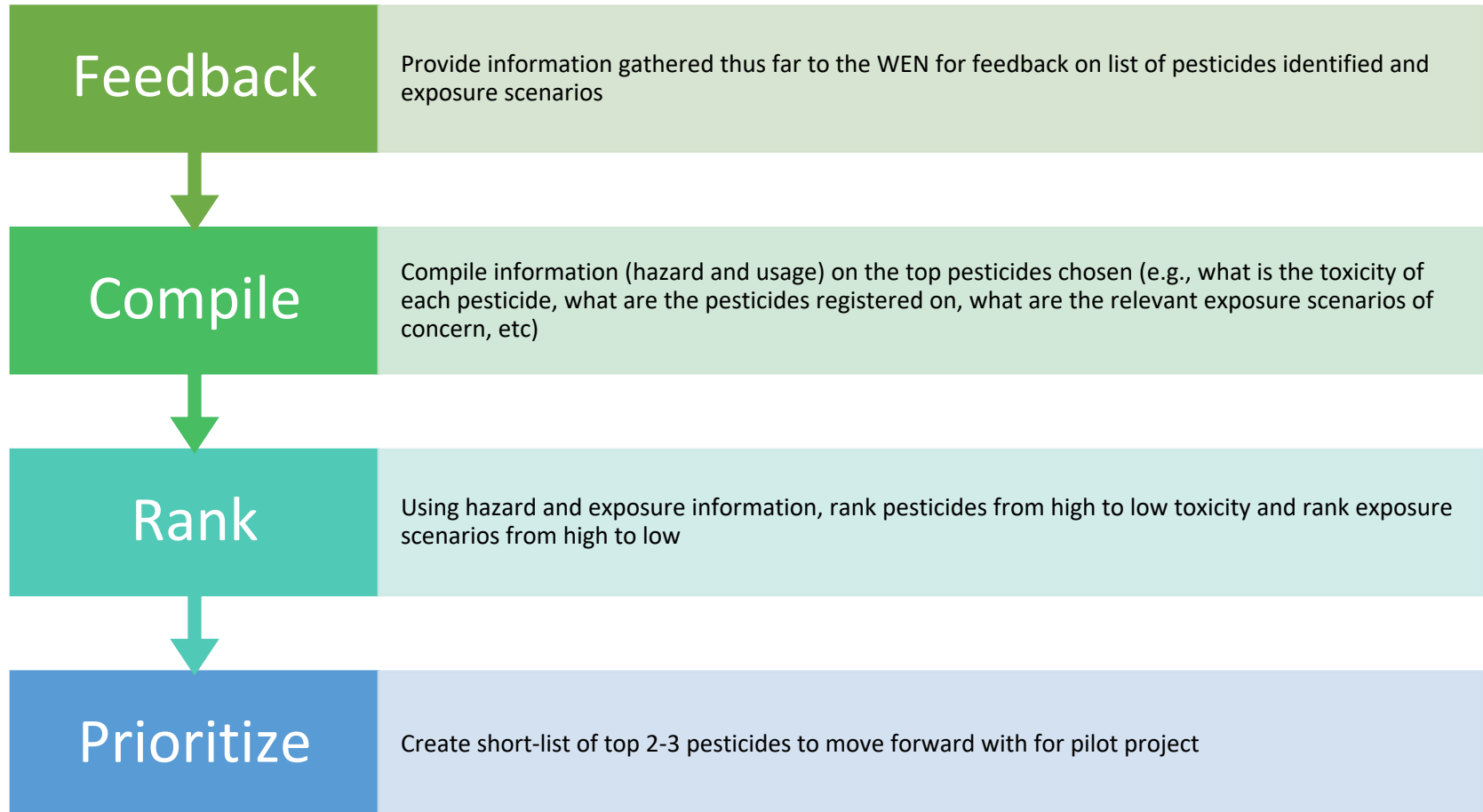
Potential exposure from gathering along rights-of-way pesticide application routes (highway medians, etc), or from public health pesticide applications (aka gathering on land that was treated with mosquitocide applications)?



What are the lifestages of concern: Adults, youths, children?

What are the routes of exposure: Dermal, inhalation, incidental oral?

Next Steps



Thank You!



<https://tppcwebsite.org>

