



### Status of EPA's Endangered Species Act Work Plan for FIFRA

Indiana Pesticide Review Board Meeting

January 17, 2024

-Dave Scott-

Pesticide Administrator

# Endangered Species Act Implementation under FIFRA

- Endangered Species Act (ESA)...federal law enacted in 1973
- Designed to protect threatened & endangered species from extinction
  - Impacts EPA's historic risk/benefit calculation
  - Tips more weight to risk (ecological)
- U.S. Fish & Wildlife Service manages:
  - land species &
  - freshwater species
- National Marine Fisheries Service (within NOAA) manages:
  - marine species &
  - anadromous species (migrating from saltwater to freshwater to spawn)



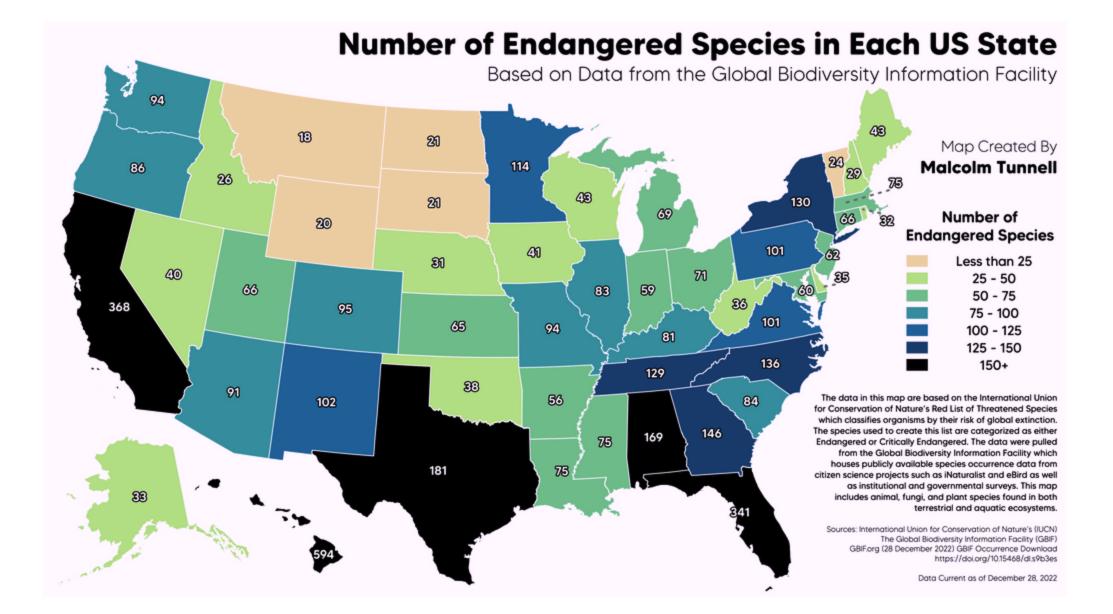
# Association of American Pesticide Control Officials

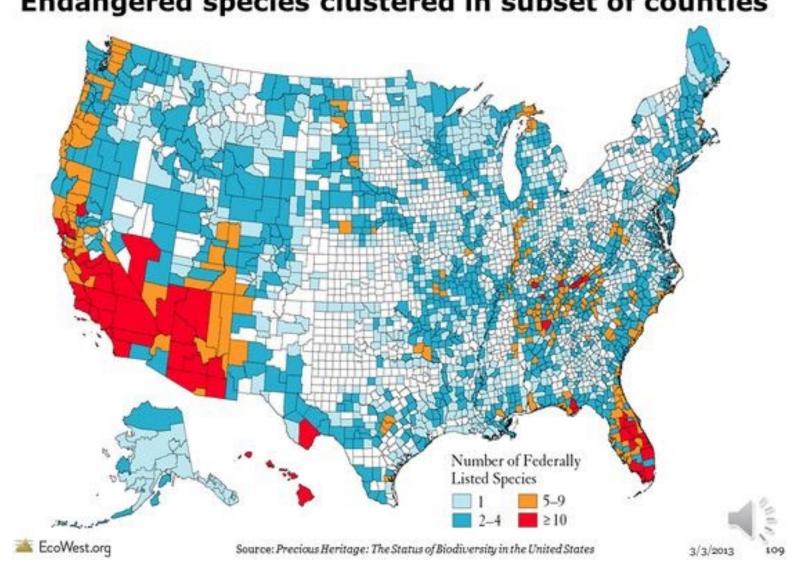
#### AAPCO ESA Work Group

Formulated.... February, 2023

Co-chairs...Gretchen Paluch (IA) & Steve Dwinell (VT)

- FL
- NE
- WA
- OR
- ND
- MI
- GA
- KS
- IN





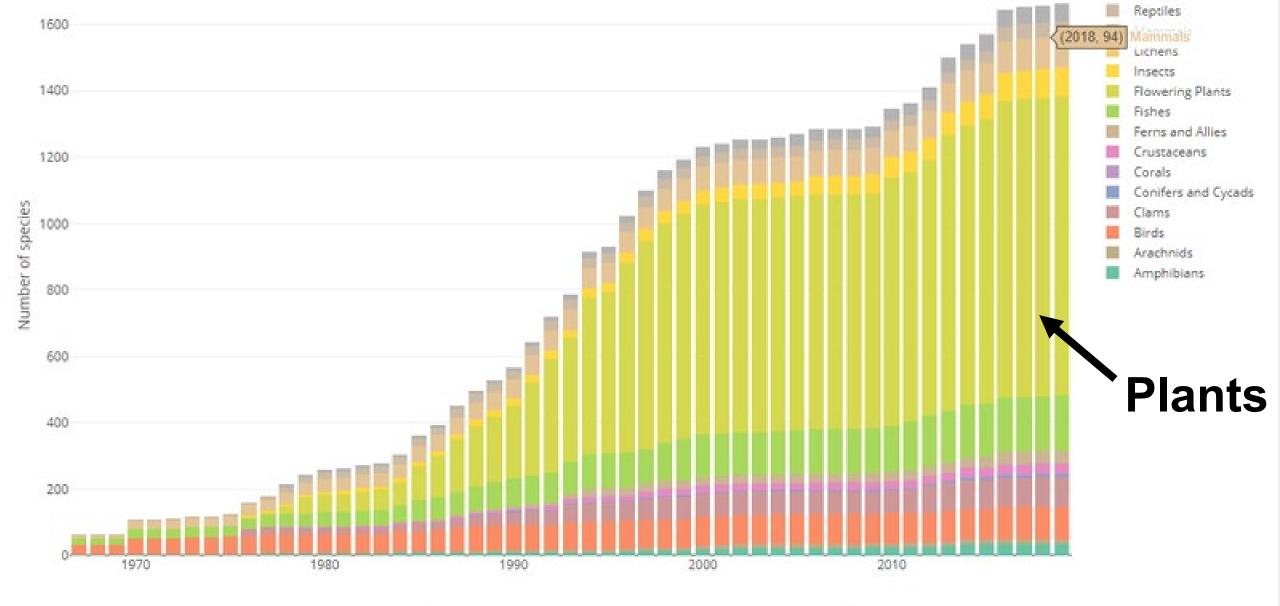
Endangered species clustered in subset of counties

### What Do We Think Of When We Hear Endangered Species?

Most of the time we think of bald eagles & polar bears

ESA also include lesser-known species:

- Plants (Mead's Milkweed)
- Insects (Rusty Patched Bumble Bee)
- Reptiles (Eastern Massasauga-Rattlesnake)
- Clams or mussels (Fat Pocketbook)



1662 Number of ESA-Listed Species 388

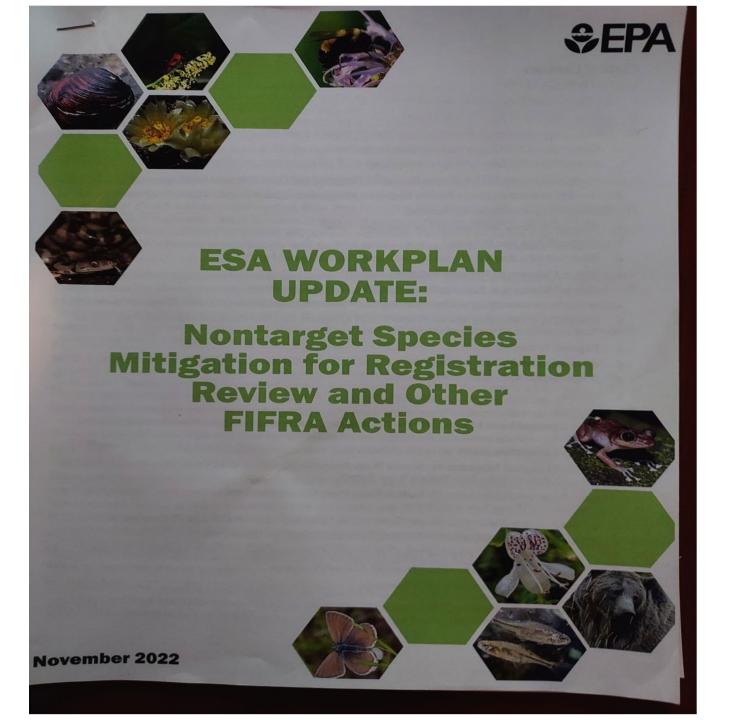
Number of Threatened Species

1274

Number of Endangered Species

### So, why are we talking about ESA <u>only now</u>?

- Less than 5% of FIFRA registration actions have been ESA compliant.
- Resulting in over 20 lawsuits against EPA, covering over 1000 products
- EPA's ESA priorities now driven by:
  - litigation settlements
  - court imposed deadlines
  - risk of courts vacating registrations & loss of products
    - (dicamba OTT soybean products 2019, 2,4-D/glyphosate-Enlist 2020)



### How will EPA implement mitigation measures?

- Bulletins Live! Two (BLT) <u>https://www.epa.gov/endangered-species/bulletins-live-two-view-bulletins</u>
- Web-based application to access ES protection <u>Bulletins</u>.
- Bulletins contain <u>enforceable</u> pesticide use limitations that are necessary for ESA compliance.
- Proposed for all products <u>except</u>:
  - Residential (homeowner) use products; *commercially applied residential products <u>are</u> <i>included in the scope*
  - Products with negligible exposure or no expected toxic effects to ES

ENDANGERD AND THREATENED SPECIES PROTECTION REQUIREMENTS It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species, under the Endangered Species Act section 9.

When using this product, you <u>must follow</u> the measures, including any timing restrictions, contained in the Endangered Species Protection <u>Bulletin</u> for the area where you are applying the product.

Before using the product, you <u>must obtain</u> a Bulletin at any time within six months of the day of application. To obtain Bulletins, consult <u>http://www.epa.gov/espp/</u>. For general questions or technical help, call 1-844-447-3813, or email <u>ESPP@epa.gov</u>. Current IN ESA PULA (Pesticide Use Limitation Area)

- Here's where ESA label statement is relevant.
- So far it highlights 2 active ingredients
  - Dicamba (Ag Drift)
  - Cyantraniliprole

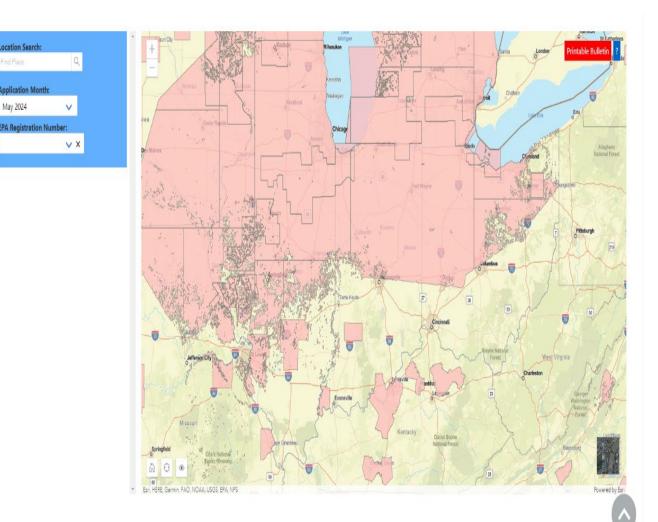


### How Does It Work?

Location Search:

Application Month May 2024

Start by entering the EPA reg. # and month of application.

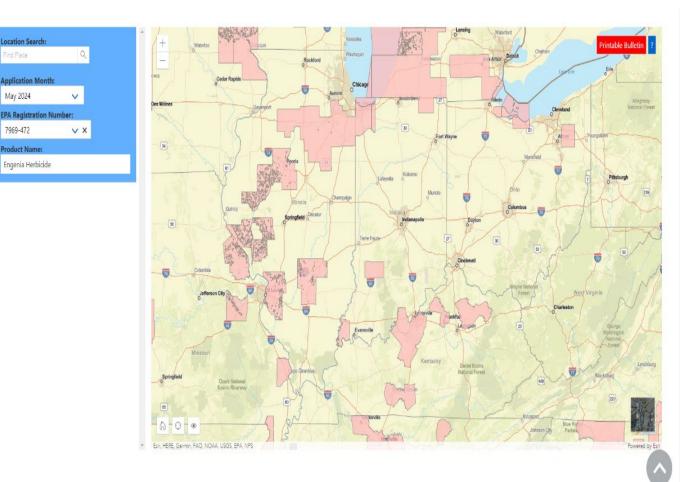


### How Does It Work?

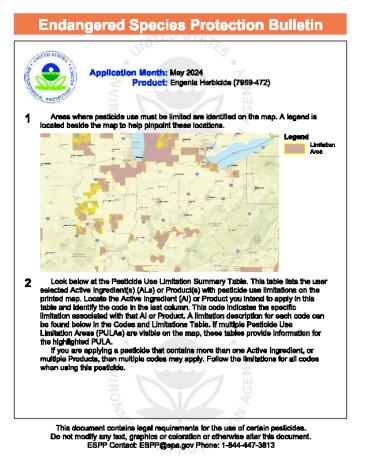
May 2024

7969-472

- If application will take place in highlighted area, click on the area.
- Then click the red "Printable Bulletin" in upper right corner



### How Does It Work?

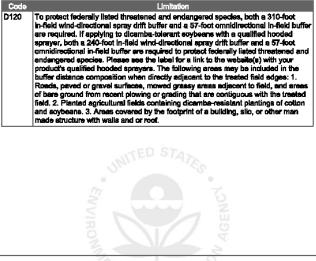


#### Endangered Species Protection Bulletin

#### **Pesticide Use Limitation Summary Table**

Product	AI	Use	Method	Form	Gode
ENGENIA HERBICIDE (7969-472)	Dicembe	Dicamba- Tolerant Cotton	Ground spray	Liquid	D120
ENGENIA HERBICIDE (7969-472)	Dicamba	Dicamba- Tolerant Scybean	Ground apray	Liquid	D120

#### Codes and Limitations Table



This document contains legal requirements for the use of certain pesticides. Do not modify any text, graphics or coloration or otherwise alter this document. ESPP Contact: ESPP@gepa.gov Phone: 1-844-447-3813

### How Does It Work?

### Codes and Limitations Table

Code	Limitation
D120	To protect federally listed threatened and endangered species, both a 310-foot in-field wind-directional spray drift buffer and a 57-foot omnidirectional in-field buffer are required. If applying to dicamba-tolerant soybeans with a qualified hooded sprayer, both a 240-foot in-field wind-directional spray drift buffer and a 57-foot omnidirectional in-field buffer are required to protect federally listed threatened and endangered species. Please see the label for a link to the website(s) with your product's qualified hooded sprayers. The following areas may be included in the buffer distance composition when directly adjacent to the treated field edges: 1. Roads, paved or gravel surfaces, mowed grassy areas adjacent to field, and areas of bare ground from recent plowing or grading that are contiguous with the treated field. 2. Planted agricultural fields containing dicamba-resistant plantings of cotton and soybeans. 3. Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

What type of mitigation measures are being proposed?



**Surface Water Protection Requirements** 

Runoff Mitigation Erosion Mitigation **Spray Drift Management Requirements** 

Aerial Airblast Ground Boom Buffers to Aquatic Habitats Buffers to Wildlife Conservation Areas

Vulnerable Species Pilot           • Mitigation measures (applied broadly across different types of pesticides) for species with limited ranges & where pesticides have already been identified as a stressor for the species. ~27 species identified	Public Outreach (Draft White paper & Story Maps) conducted by 6/30/2023	White paper & Story Maps)		After outreach, determine if mitigations should be revised or more added by 12/30/2023		Determine how to expand the approach to other vulnerable species by 9/30/2024		
Rodenticide Strategy         • Address effects to mammals & birds that consume rodenticide bait (1° consumers), & to birds, mammals & reptiles that consume 1° consumers	Mitigation measures developed for 3 representative species (1 mammal 1° consumer; 1 bird 1° consumer & a 2° consumer), 1 designated habitat & plan to consider expanding mitigations to apply to ~90 other ESA-listed species.		Mitigation measures the representativ species incorporated Rodenticide PID's. Iss in 11/2022	e Draft into 11/2 sued the m	: Rodenticide BE in 023. Will consider itigations identified Rodenticide PID's	Final Rodenticide BE no later than 11/12/2024		
Rodenticide Biological Evaluation Brodifacoum, Bromadiolone, Warfarin & Zinc Phosphide	Draft BE By 11/12/2023	(With ontion to extend BE's up to		(or adjuste	Final BE By 11/12/2 ad accordingly due to p extension)			
Herbicide Strategy	Draft Strategy 7/24/2023	60-day comment period	Final Strategy + Response to Comments Document By <mark>5</mark> /30/2024					
<ul> <li>Focus on ESA-listed plants &amp; those species that rely on plants</li> <li>Address spray drift &amp; runoff transport from treated fields to minimize exposure</li> </ul>	incorporated into PID's issu	After 3/30/24 - Strategy mitigation measures incorporated into PID's issued under EPA registrat review program.		Group PID's, instead of chemical- on specific, will be issued as appropriate. 60-day comment period f				
	Draft Strategy By 7/30/2024	60-day comment period			Final Strategy + Response to Comments Document By 1/17/25 – 3/31/25			
Insecticide Strategy	incorporated into PID's issu	After 3/31/25, Strategy mitigation measures incorporated into PID's issued under EPA registration review program.		on Group PID's, instead of chemical- specific, will be issued as appropriate. 60-day comment period for PID's				
Fungicide Strategy           • Strategy to address vulnerable species that may be affected by fungicides		Attempt to agree on Completion date no later than 8/31/2024						
Organophosphate Biological Evaluation	Track 1 - all 8 Al's Draft BE By 3/31/2027		2027		Final BE By 9/30/2027			
<ul> <li>BE's: Acephate, Bensulide, Dimethoate, Ethoprop, Naled, Phorate, Phosmet &amp; S,S,S-tributyl phosphorotrithioate</li> <li>Nationwide Scale Effects Determination: Dichlorvos (DDVP)</li> <li>Other Al's may be added if practicable</li> </ul>	Track 2 Group 1 - 4 of 8 Al's Group 2 – 4 of 8 Al's	Draft BE Group 1 By 3/31/2 Group 2 By 3/31/2	2026	comment eriod	Final BE Group 1 By 9/30/2026 Group 2 By 9/30/2027			
Compensatory Mitigation	Intervenors to organize & fund workshop to explore how offsets may be used to address effects of pesticide registrations. Anticipated to occur within 12 months of agreement date; but no more than 24 months of effective agreement date							

### **Vulnerable Species Pilot Project**

- Vulnerable Listed (Endangered and Threatened) Species Pilot Project: Proposed Mitigations, Implementation Plan and <u>Possible Expansion</u>
- Draft published...June 22, 2023
- Comments due...August 6, 2023
- 27 species (3 in IN...Rusty patched bumble bee, Mead's milkweed, Rayed bean)
  - Avoidance = no application areas
  - Minimization = mitigation measures required areas
- EPA ESA website
  - <u>https://www.epa.gov/endangered-species/implementing-epas-workplan-protect-endangered-and-threatened-species-pesticides</u>
- Story Maps
  - <u>https://storymaps.arcgis.com/collections/896d140363174c9d8ee78e4c471bd7fd</u>

### Does the Vulnerable Species Pilot Include Non-Ag Uses ?

- Yes, non-ag uses were included in scope of draft.
- Homeowner use products were <u>not</u> included in scope.
- But no specific mitigation measures have been proposed in the draft pilot to date that address non-ag use mitigation measures.
- Many commenters have pointed this out to EPA.

### Herbicide Strategy Framework Document

- Draft Herbicide Strategy Framework to Reduce Exposure of Federally Listed Endangered and Threatened Species and Designated Critical Habitats from the Use of <u>Conventional Agricultural</u> <u>Herbicides</u>
- Draft published...July 20, 2023
- Comments due...September 20,2023...extended to October 22, 2023
- 900 listed species & critical habitats
- Early mitigation measures
- Example case studies for some herbicides

# **Insecticide Strategy**

• Target for draft is July 30, 2024.

• Target for final is March 31, 2025.

• Will non-ag uses be included in this draft?

# **Fungicide Strategy**

• Target for draft is August 31, 2024.

• Will non-ag uses be included in this draft?

## **ESA Summary**

- ESA applies if language is on label.
- Bulletins Live! Two is an extension of the label and must be included in application preparation. *"The label is the Law"*
- Not currently on all labels but is moving that direction.



### **Questions or Comments?**

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