

Understanding Bulletins Live! Two



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Environmental Fate and Effects Division
Office of Pesticide Programs, US EPA
March 4th, 2019



Today's Topics

- Introduction
- Why Web Mapping of Endangered Species is Used
- Creation of a Bulletin
- How *Pesticide Use Limitation Areas (PULAs)* are created
- Pesticide Use Limitation Area (PULA) Verses a Bulletin
- Using and Understanding Bulletins Live! Two
- Frequently Asked Questions – General and dicamba
- Contacts

EPA Introduction

■ Endangered Species Act (ESA)

- Intended to protect and promote the recovery of plants and animals in danger of becoming extinct
- Section 7(a)(2) of the ESA requires federal (“action”) agencies to insure that any action they authorize, fund or carry out is not likely to jeopardize the continued existence of a listed species or result in destruction or adverse modification of critical habitat.
- FIFRA - “action” subject to the consultation provisions of the ESA is the registration of a pesticide.

EPA Introduction (cont.)

- **Endangered Species Protection Program (ESPP)**
 - Helps promote the recovery of listed species
 - Designed to determine whether pesticide use in a certain geographic area may affect any listed species
 - If limitations on pesticide use are necessary to protect listed species in that area, the information is relayed through Endangered Species Protection Bulletins
 - Goal: to carry out responsibilities under FIFRA in compliance with ESA, without placing undue burden on agriculture and other pesticide users



Why Web-based Mapping for Endangered Species Protections is Used

- Accessibility to a variety of Bulletins Live! Two Users
 - State Lead Agencies
 - Pesticide Applicators
 - Others
- Bulletins are an extension of the label!
- Allows for location-specific protections
- Information Bulletins provides includes
 - Location of use limitations
 - Products with limitations
 - Terms of the limitation
 - Does not include identification of species



EPA Creation of a Bulletin

- A determination is made regarding whether or not a Bulletin is needed to protect listed species based on risk assessments and/or input from the Services via consultation.
 - Goal is to identify potential risks from a pesticide's registered use(s) and to identify species/taxa of concern
 - Methods follow EPA's current ESA methodology for assessing risk to listed species
 - Informs mitigation options for listed species where risk cannot be precluded from the application instructions on the label
 - Effects determination may consider timing of application relative to species locations and species biology



How Pesticide Use Limitation Areas (PULAs) are created

- If species of concern are identified, then a proximity analysis is conducted to determine if listed species are located within the labeled use sites
 - Proximity analysis is an overlay of species ranges with potential use sites and is informed by the risk assessment
 - Evaluates the potential for exposure on the field and from off-site transport
- Spatial Data
 - Species location information is obtained from the US Fish & Wildlife Service and/or National Marine Fisheries Service
 - The data used to generate use sites originates from the USDA Cropland Data Layer (CDL) or dataset deemed appropriate for the analysis



Pesticide Use Limitation Area (PULA) Verses a Bulletin

- Pesticide Use Limitation Area (PULA)- Geographic area where a pesticide limitation specific to listed species applies
- Bulletin – The printed PDF from the Bulletins Live! Two application, provides the limitation information for your application site and month
 - Save this PDF as your record of compliance



Using and Understanding Bulletins Live! Two

- Topics Covered During the Demonstration
 - Using the map application tools
 - Identifying the intended pesticide application area
 - Selecting the application month
 - Refining your search
 - Selecting a PULA
 - Printing a Bulletin
 - Understanding the components of the PDF Bulletin
 - Obligations

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators.

This labeling expires on 12/20/2020. Do not use or distribute this product after 12/20/2020.

DuPont™ FeXapan™**herbicide****[ABN: DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology]**

DICAMBA	GROUP	4	HERBICIDE
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For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, sugarcane, cotton with XtendFlex Technology, and Roundup Ready 2 Xtend Soybean and XtendFlex Soybean.

This label supersedes any previously issued labeling for this product, including previously issued supplemental labeling.

DuPont™ FeXapan™ herbicide is approved by U.S. EPA for all uses specified on this label in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

Check the registration status of each product in each state before using.

READ THE ENTIRE LABEL FOR DUPONT™ FEKAPAN™ BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS LABEL

READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE CONTAINER LABEL AND BOOKLET AND WWW.FEXAPANAPPLICATIONREQUIREMENTS.DUPONT.COM.

Read the "Limitation of Warranty and Liability" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened

Active Ingredient	By Weight
Diglycolamine salt of dicamba (3,6-dichloro-o-anisic acid)*	42.8%
Other Ingredients	57.2%
Total	100.0%

* contains 29.0%, 3,6-dichloro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).
EPA Reg. No. 352-913 EPA Est. No.

Nonrefillable Container

Net:

OR

Refillable Container

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DuPont™ FeXapan™
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OR

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Using and Understanding Bulletins Live! Two (cont.)

- **Endangered Species Concerns** – Use of this product in a manner inconsistent with its labeling may pose a hazard to endangered or threatened species. When using this product, you must follow the measures contained in the Endangered Species Bulletin for the area in which you are applying the product. To obtain Bulletins, no more than six months before using this product, consult: <https://www.epa.gov/endangered-species> or call 1-844-447-3813. You must use the Bulletin valid for the month in which you will apply the product.

Protecting Endangered Species from Pesticides

CONTACT US

SHARE    

Use Bulletins to Find Pesticide Use Restrictions

[Endangered Species Protection Bulletins](#)



- 3/23/18: [EPA Requests Comments on NMFS's Biological Opinion for chlorpyrifos, diazinon, and malathion](#)
- [Read NMFS's Biological Opinion](#)
- [Comment on NMFS's Biological Opinion](#)

Endangered Species and Pesticides

- [About the endangered species program](#)
- [Assessing pesticides under the ESA](#)
- [Litigation and associated pesticide limitations](#)
- [National Academy of Sciences report on endangered species assessment](#)

Protections for Endangered Species

- [Effects determinations](#)
- [Pesticide restrictions](#)
- [Bulletins Live! Two](#)
- [Information for pesticide users](#)

Working with Our Partners

- [Fish and Wildlife Service \(FWS\) Endangered Species Page](#)
- [National Marine Fisheries Service \(NMFS\) Endangered Species Page](#)

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Endangered Species

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Endangered Species Home

About the Endangered
Species Protection
Program

Assessing Pesticides Under
the Endangered Species
Act

Endangered Species:
Information For Pesticides
Users

Litigation on Endangered
Species and Pesticides

Bulletins Live!

For Kids

Endangered Species Protection Bulletins

Endangered Species Protection Bulletins are a part of EPA's Endangered Species Protection Program. Bulletins set forth geographically specific pesticide use limitations for the protection of threatened and endangered (listed) species and their designated critical habitat.

- [Obtain Bulletins using EPA's Bulletins Live! Two application.](#)
- [Read the tutorial for Bulletins Live! Two.](#)
- [Go to the quick start guide.](#)

If your pesticide label directs you to this Web site, you are required to follow the pesticide use limitation(s) found in the Bulletin for your intended application area, pesticide active ingredient or product and application month.

EPA's Bulletins contain the following information:

- Map of the user-defined intended application area.
- User-selected active ingredient and/or pesticide product to be applied.
- Pesticide use limitation(s).
- Month for which the Bulletin is valid.

Important Notes about Bulletins

Endangered Species

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Important Notes about Bulletins

Endangered Species

Bulletins Live! Two -- View the Bulletins

For assistance in using Bulletins Live! Two, [view the tutorial](#). Also see [background, notes and a quick start guide for BLT](#).

Current View: February 2019

Basemaps

Find address or place

0% Opacity 100%

Map Layers

- Pesticide Use Limitation Area (PULA)

Explanation

- Effective

Map Scale: 1:36978595 | Lat: 38.0712, Lng: -41.8343

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

INSTRUCTIONS | RESULTS

Protecting Endangered Species

Directions: This search tool provides Pesticide Use Limitation Areas (PULAs) for pesticide active ingredients and products with active Bulletins. To access Endangered Species Protection Bulletins from this search tool:

- Zoom to your intended pesticide application area:
 - Manually zoom to a location by dragging the map to your location and using the "+" and "-" buttons to zoom in and out, or
 - Enter your intended pesticide application area into the Location Search Tool to automatically zoom to that location.
- Select your Application Month.
- Optional: Refine your search by entering a specific active ingredient or product and click the "Search" button. (Default is all active ingredients and products).
- Click on the PULA within your intended pesticide application area to activate the Results Tab with the associated limitations and print your Bulletin. If no PULA is present, click the "Search" button to activate the "No Limitations" dialog box and print your Bulletin.
- To complete an additional search, use the "Clear All" button to clear your current results.

Application Month: February 2019

Active Ingredient: All

Product Name: Start typing Product name

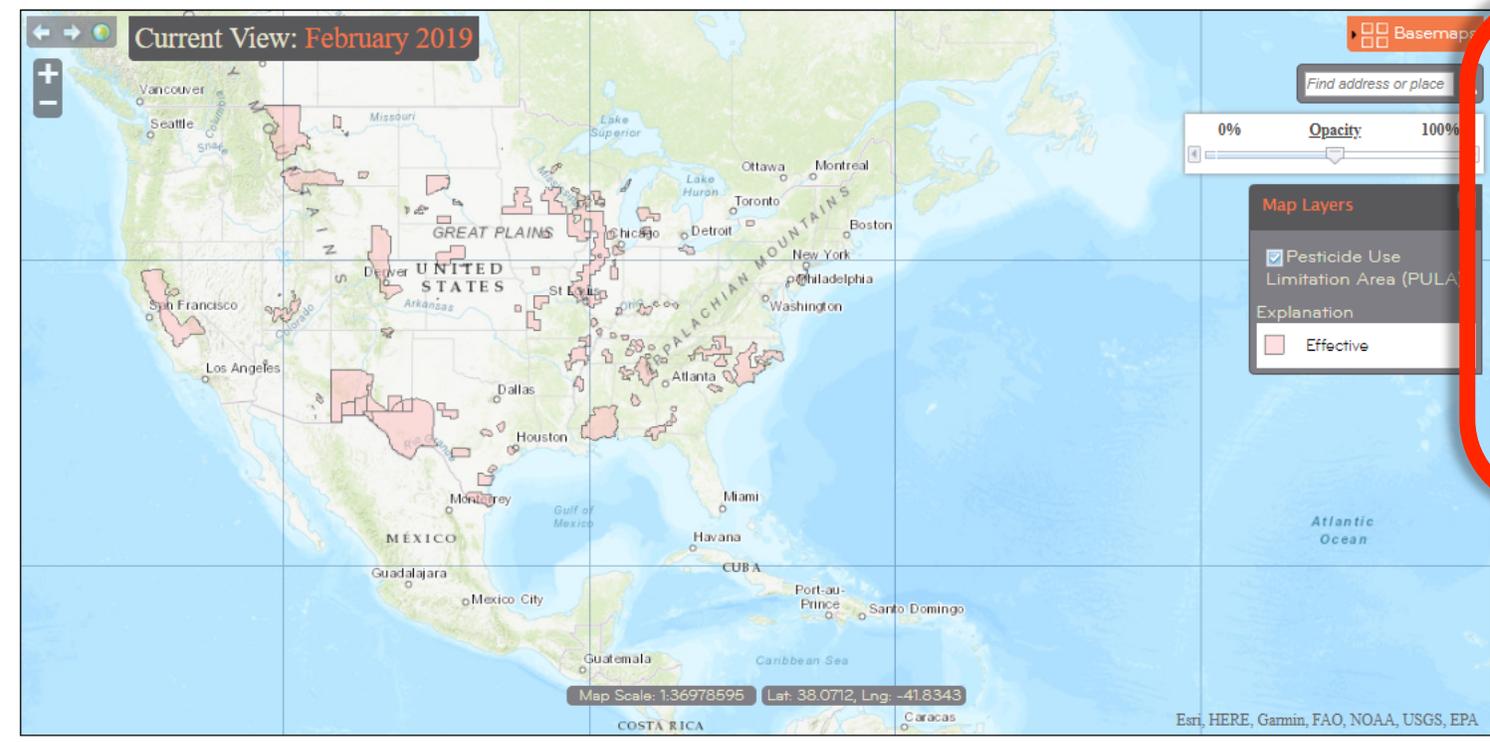
-- OR --

Product Registration Number: Type Product Registration #

Endangered Species

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INSTRUCTIONS | **RESULTS**

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Application Month: [Dropdown menu]

Active Ingredient: [Dropdown menu] All

Product Name: [Text input] Start typing Product name

Product Registration Number: [Text input] Type Product Registration #

-- OR --

Endangered Species

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Application Month: February 2019

Active Ingredient: All

Product Name: Start typing Product name

-- OR --

Product Registration Number: Type Product Registration #

Map Scale: 1:36978595 | Lat: 38.0712, Lng: -41.8343

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Endangered Species

Bulletins Live! Two -- View the Bulletins

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Current View: February 2019

Warrensburg, MO

0% Opacity 100%

Map Layers

- Pesticide Use Limitation Area (PULA)

Explanation

- Effective

Map Scale: 1:577791 | Lat: 38.5024, Lng: -93.9398

Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

INSTRUCTIONS RESULTS

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Application Month: May 2019

Active Ingredient: All

Product Name: DUPONT FEXAPAN HERBICIDE [352-913]

-- OR --

Product Registration Number: Type Product Registration #

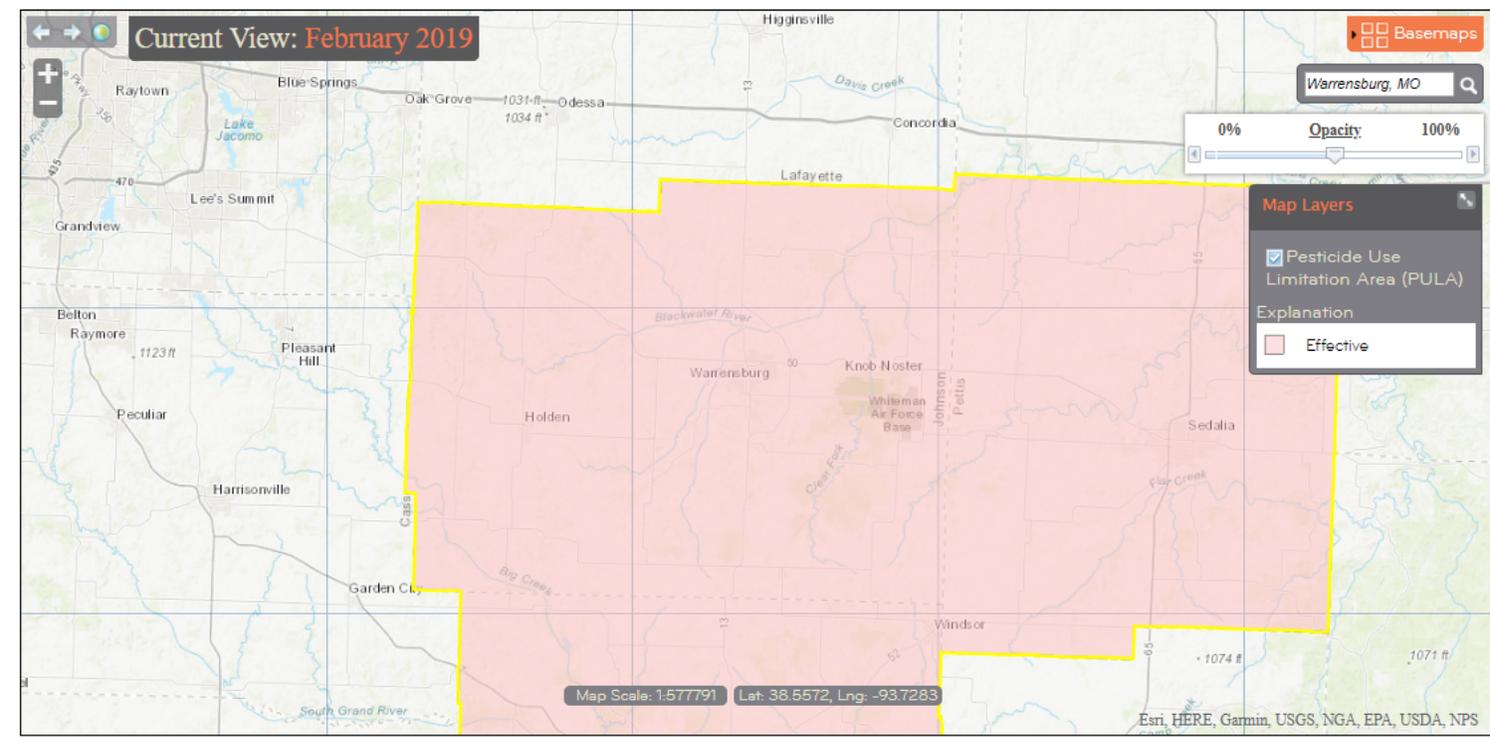
SEARCH CLEAR ALL

[Contact Us](#) to ask a question, provide feedback, or report a problem.

Endangered Species

Bulletins Live! Two -- View the Bulletins

For assistance in using Bulletins Live! Two, [view the tutorial](#). Also see [background notes](#) and [a quick start guide for BLT](#).



INSTRUCTIONS | **RESULTS**

Effective Date: February 2019

Pesticide Use Limitation Summary Table

AI/Product	Use	App Method	Formulation	Code
DUPONT FEXAPAN HERBICIDE [352-913]	Soybean	Ground spray	Liquid	D1
DUPONT FEXAPAN HERBICIDE [352-913]	Cotton	Ground spray	Liquid	D1

Codes and Limitations Table

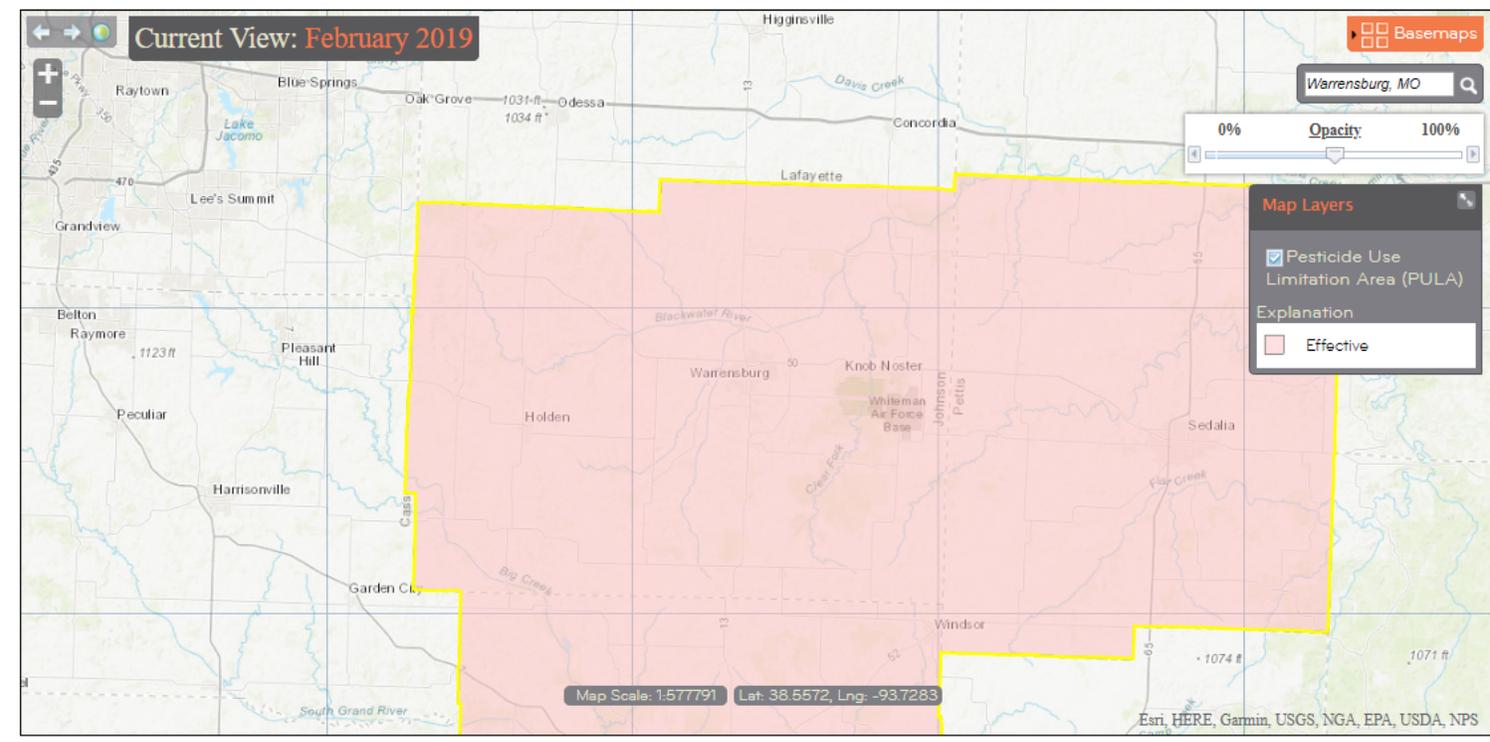
Code	Limitation
D1	In combination with the 110 foot in-field wind-directional spray drift buffer, a 57 foot omnidirectional infield buffer is required to protect federally listed threatened and endangered species. Non-sensitive areas, defined below, may be included as part of the buffer. Non-sensitive areas: The following areas may be included in the buffer distance calculation when directly adjacent to the treated field edges: 1. Roads, paved or gravel surfaces, mowed and/or managed areas adjacent to field such as rights of way. 2. Planted agricultural fields containing: corn, cotton, and soybeans. 3. Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

Printable Bulletin

Endangered Species

Bulletins Live! Two -- View the Bulletins

For assistance in using Bulletins Live! Two, [view the tutorial](#). Also see [background notes](#) and [a quick start guide for BLT](#).



INSTRUCTIONS | **RESULTS**

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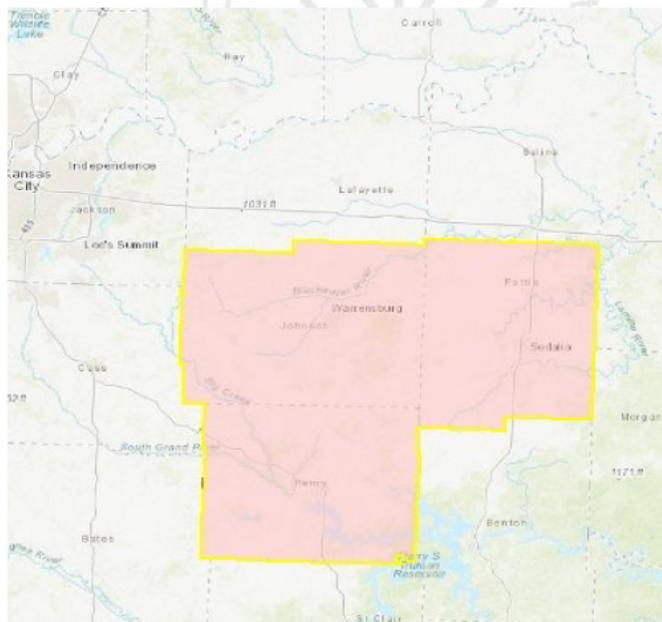
Printable Bulletin

Endangered Species Protection Bulletin



Valid For: February 2019

- 1 Areas where pesticide use must be limited are identified on the map. A legend is located below the map to help pinpoint these locations.



Limitation Area

- 2 Look below at the Pesticide Use Limitation Summary Table. This table lists the user selected Active Ingredient(s) (AIs) or Product(s) with pesticide use limitations on the printed map. Locate the Active Ingredient (AI) or Product you intend to apply in this table and identify the code in the last column. This code indicates the specific limitation associated with that AI or Product. A limitation description for each code can be found below in the Codes and Limitations Table. If multiple Pesticide Use Limitation Areas (PULAs) are visible on the map, these tables provide information for the highlighted PULA.

If you are applying a pesticide that contains more than one Active Ingredient, or multiple Products, then multiple codes may apply. Follow the limitations for all codes when using this pesticide.

Pesticide Use Limitation Summary Table

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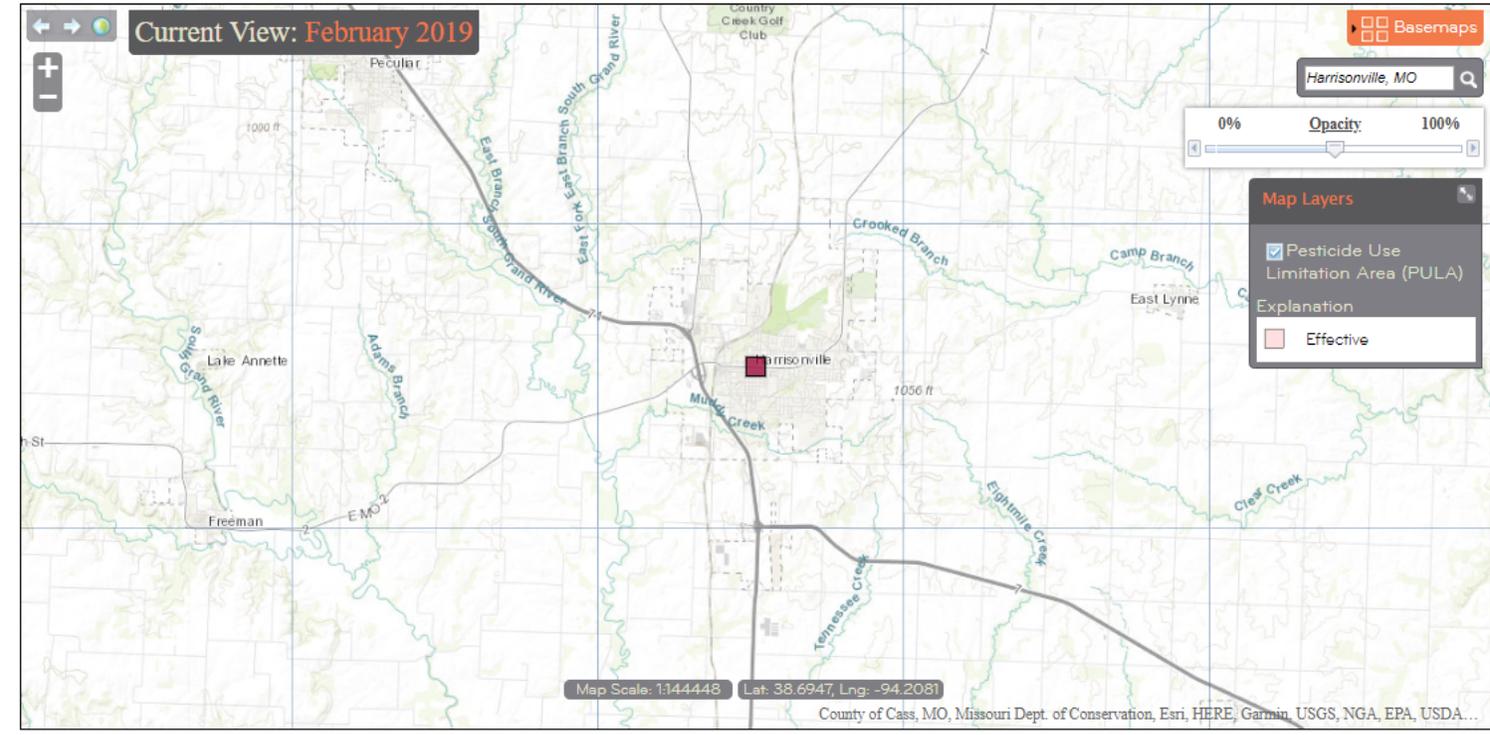
Using and Understanding Bulletins Live! Two (cont.)

- *What if there are no Bulletins for my application site and month?*
 - *Save the printable Bulletin documenting that no Pesticide Use Limitation Area (PULA) exist for your application site and month.*

Endangered Species

Bulletins Live! Two -- View the Bulletins

For assistance in using Bulletins Live! Two, [view the tutorial](#). Also see [background](#), [notes](#) and a [quick start guide for BLT](#).



Current View: February 2019

Harrisonville, MO

0% Opacity 100%

Map Layers

- Pesticide Use Limitation Area (PULA)
- Effective

Map Scale: 1:144448 | Lat: 38.6947, Lng: -94.2081

County of Cass, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, USGS, NGA, EPA, USDA...

INSTRUCTIONS | RESULTS

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- To complete an additional search, use the "Clear All" button to clear your current results.

Application Month:

Active Ingredient:

Product Name:

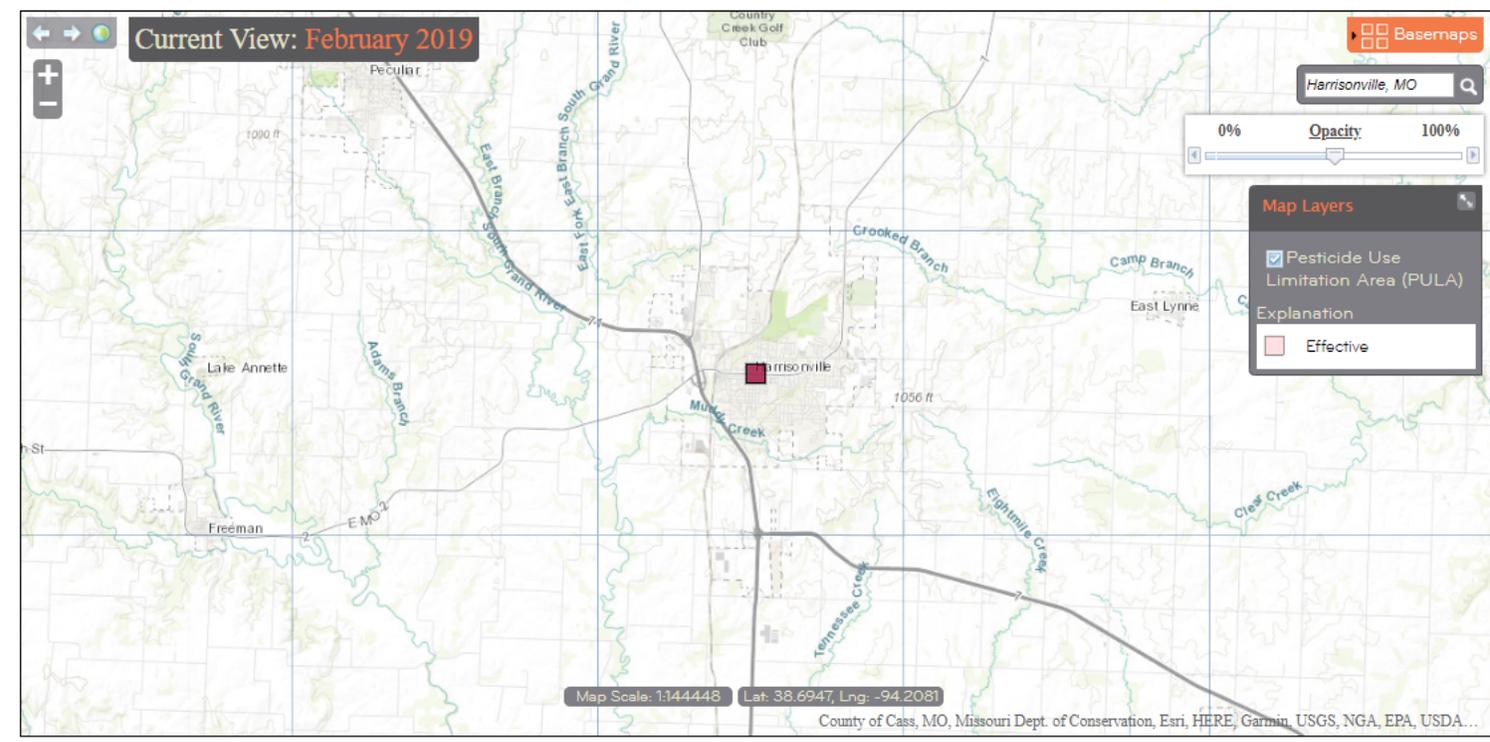
-- OR --

Product Registration Number:

Endangered Species

Bulletins Live! Two -- View the Bulletins

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0% Opacity 100%

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Application Month: May 2019

Active Ingredient: All

Product Name: DUPONT FEXAPAN HERBICIDE [352-913]

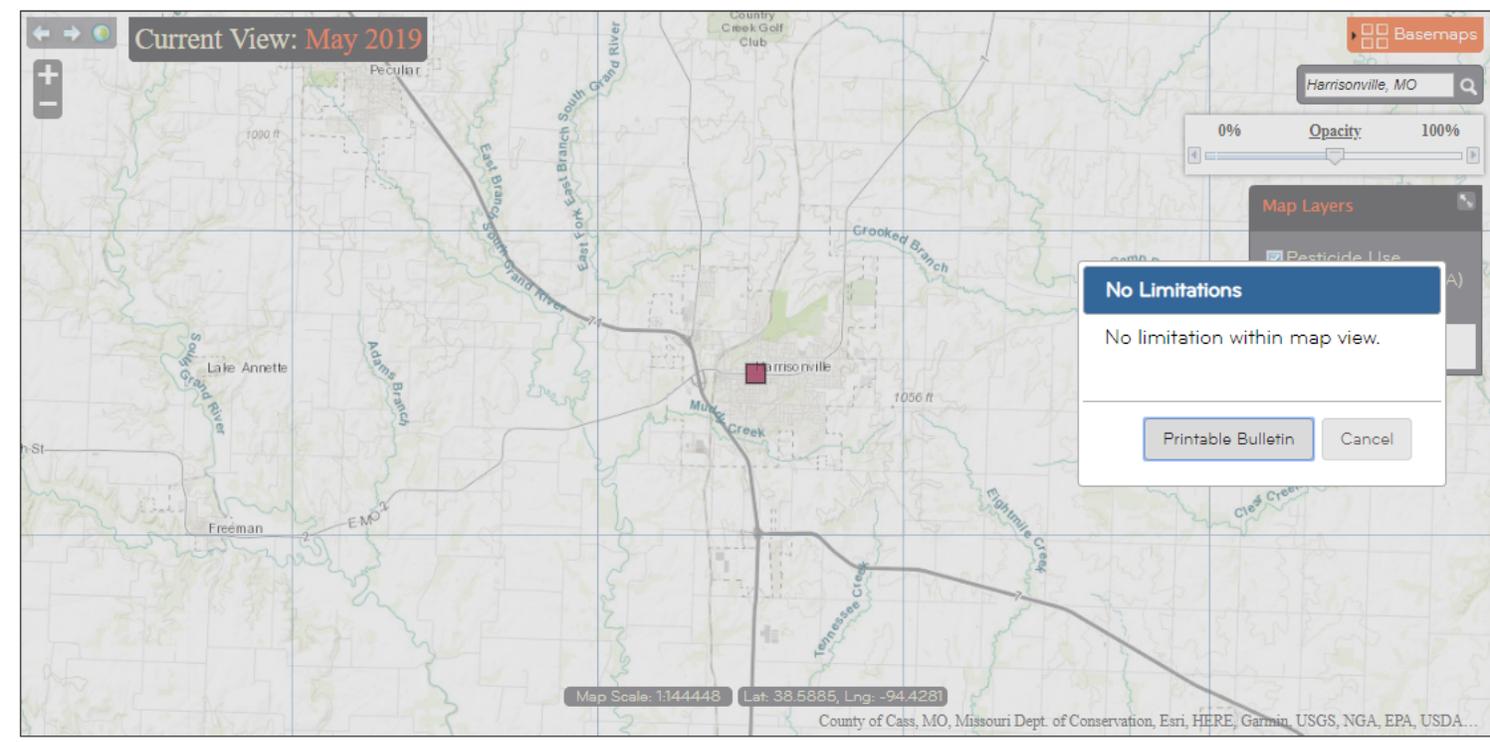
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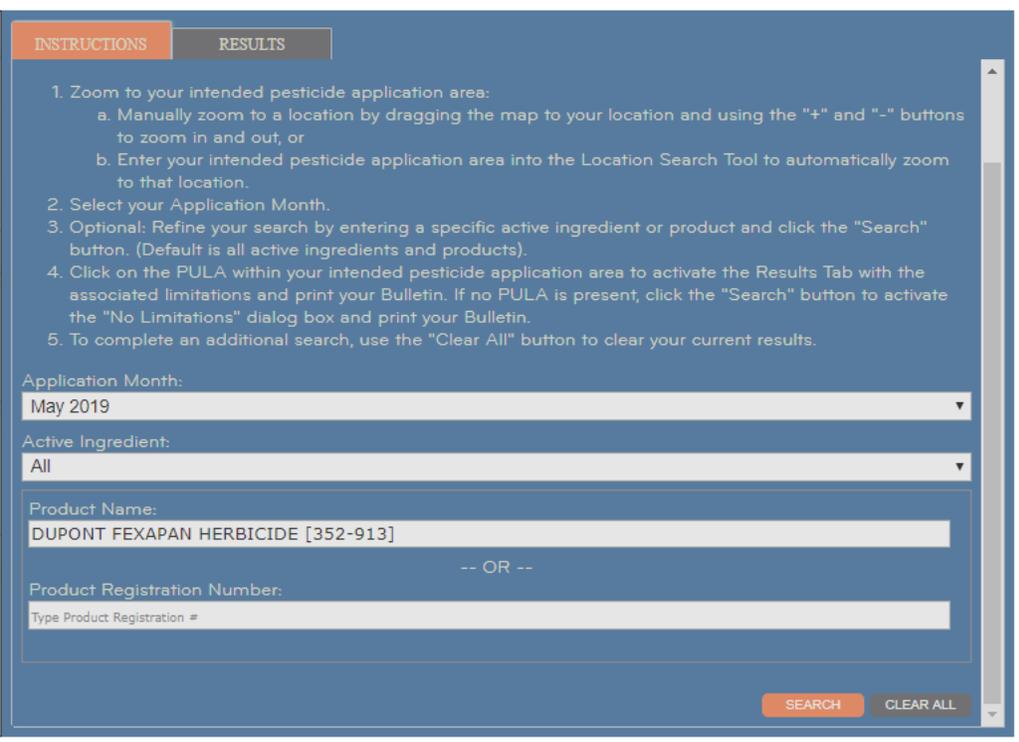
Endangered Species

Bulletins Live! Two -- View the Bulletins

For assistance in using Bulletins Live! Two, [view the tutorial](#). Also see [background, notes and a quick start guide for BLT](#).



The map interface displays a satellite view of Harrisonville, Missouri. A search bar at the top right contains 'Harrisonville, MO'. Below it is an opacity slider set to 100%. A 'Map Layers' panel on the right shows 'Pesticide Use' checked. A dialog box in the center reads 'No Limitations' and 'No limitation within map view.' with 'Printable Bulletin' and 'Cancel' buttons. The map includes a scale bar (1:144448) and coordinates (Lat: 38.5885, Lng: -94.4281). The bottom of the map area contains the text 'County of Cass, MO, Missouri Dept. of Conservation, Esri, HERE, Garmin, USGS, NGA, EPA, USDA...'.



The form interface is titled 'INSTRUCTIONS' and 'RESULTS'. It contains a list of five instructions for using the tool. Below the instructions are several input fields: 'Application Month' (set to May 2019), 'Active Ingredient' (set to All), 'Product Name' (set to DUPONT FEXAPAN HERBICIDE [352-913]), and 'Product Registration Number' (with a sub-label 'Type Product Registration #'). There are 'SEARCH' and 'CLEAR ALL' buttons at the bottom right.

INSTRUCTIONS **RESULTS**

- Zoom to your intended pesticide application area:
 - Manually zoom to a location by dragging the map to your location and using the "+" and "-" buttons to zoom in and out, or
 - Enter your intended pesticide application area into the Location Search Tool to automatically zoom to that location.
- Select your Application Month.
- Optional: Refine your search by entering a specific active ingredient or product and click the "Search" button. (Default is all active ingredients and products).
- Click on the PULA within your intended pesticide application area to activate the Results Tab with the associated limitations and print your Bulletin. If no PULA is present, click the "Search" button to activate the "No Limitations" dialog box and print your Bulletin.
- To complete an additional search, use the "Clear All" button to clear your current results.

Application Month: May 2019

Active Ingredient: All

Product Name: DUPONT FEXAPAN HERBICIDE [352-913]

-- OR --

Product Registration Number: Type Product Registration #

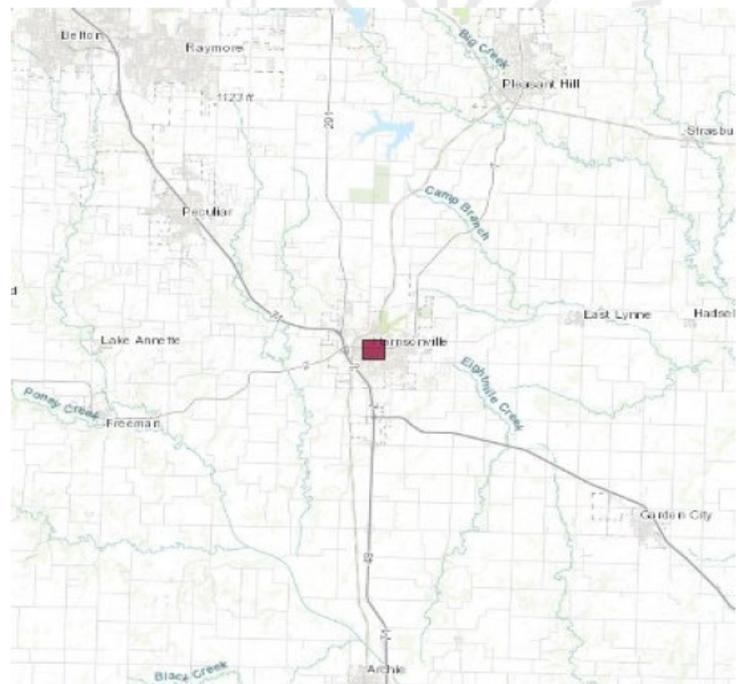
SEARCH **CLEAR ALL**

Endangered Species Protection Bulletin



Valid For: May 2019

- 1 Areas where pesticide use must be limited are identified on the map. A legend is located below the map to help pinpoint these locations.



 Limitation Area

Currently, no pesticide use limitations exist within the printed map view for the month and year you selected, beyond the instructions specified on the pesticide label. Follow the use instructions on your label.

Ensure that your pesticide application area is within the printed map view. If it is not, follow the directions on the Instructions Tab to ensure that your pesticide application area is captured within the printed map view.

Please check back if you plan to apply your pesticide in an area outside the map view or in a month and year other than the one for which this Bulletin is valid.

EPA Summary

- Follow the labeling instructions
- If directed, visit the Bulletins Live! Two website to check for any Pesticide Use Limitation Area (PULA) for your application site and month
- Save a copy of the Bulletin for your record of compliance
 - Save a copy documenting if there is no Bulletin too!
- If your application timing or location changes, check BLT again
- Contact the ESPP help desk to resolve any questions you may have

EPA Where to direct questions?

- Endangered Species Protection Program
 - Help desk inbox
 - espp@epa.gov
 - Hotline
 - 1-844-447-3813
 - Your label may have several phone numbers on it. Review it carefully to ensure you are calling the intended one.



Additional Resources

EPA Frequently Asked Questions- General

- *Overview*

- The ESPP help desk inbox and hotline receives inquires a few times per month on average.
- More inquiries are received when a new Bulletin is released
- Some local pesticide regulators or trade groups will bundle questions and send them directly to the point of contact for a specific chemical.
- Following are some common questions that have been submitted.

EPA Frequently Asked Questions (cont.)

- *What browsers are compatible with Bulletins?*
 - Internet Explorer (any version later than version 9);
 - Google Chrome;
 - Mozilla Firefox; or
 - Safari.
- Mobile devices (Tablets, Phones, etc.)
 - BLT works on most mobile formats. Not all have been tested. Please share feedback specific to your device and version to the ESPP help desk.

EPA Frequently Asked Questions (cont.)

- *Why can't we see what species the limitation is for?*
 - At the request of the USFWS and NMFS, species identifications were removed to discourage collection of listed species by the public

EPA Frequently Asked Questions (cont.)

- *The search engine on the Bulletins web application doesn't include common trade names for products*
 - EPA relied on the trade names as supplied by the registrant at the time the Bulletin is created.
 - OPP is working to update the names as needed and is exploring ways to improve the search feature.
 - The best way to search is using registration numbers. Registration numbers remain consistent.

EPA Frequently Asked Questions (cont.)

- *Are Bulletins enforceable?*
 - Yes. Bulletins are an extension of the label.
- Not following the limitation on your Bulletin is a misuse of the pesticide and enforceable under FIFRA
- If this misuse results in “take” of listed species, the action is also enforceable under the Endangered Species Act by the USFWS and/or NMFS

EPA Frequently Asked Questions (cont.)

- *My state has several listed species, but the limitations on Bulletins don't seem to match, why?*
 - Bulletins rely on range data from USFWS and NMFS, which may differ from local agencies by comparison
 - State listed (not Federally listed) species are not considered
 - Not all species may be at risk and need Bulletins

EPA Frequently Asked Questions (dicamba)

- *The docket for dicamba includes a county list, but it looks different on the Bulletins Live! Two application.*
 - Where available, sub-county species data were used to map the limitation.
 - While a county may be listed as impacted in the docket, it may not be county-wide
 - In some cases, only a very small portion of a county has a PULA.
- The obligation is to comply with labeling via BLT

EPA Frequently Asked Questions (dicamba)

- *For dicamba Bulletins, would the omnidirectional 57' buffer (use limitation) still apply when no species or habitats are listed on the county Bulletins?*
 - Buffers only apply when the application location and month occur within a PULA.
 - Limitations are only in place where a species or critical habitat and the assessed use site is present. If these conditions were not met, the PULA would not be present and therefore the limitation would not apply

EPA Resources

- Bulletins Live! Two
 - <https://www.epa.gov/endangered-species/bulletins-live-two-view-bulletins>
- Tutorial
 - <https://www.epa.gov/endangered-species/bulletins-live-two-bl-tutorial>
- Quick Start Guide
 - <https://www.epa.gov/endangered-species/endangered-species-protection-bulletins#quick>