

Endangered Species Act Education and Outreach

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Liberty® ULTRA Education



Education and Training Program

- Part of terms and conditions for registration

Use Restrictions and Mitigation Measures

- Consultation with *Bulletins Live! Two*
- Runoff mitigation:
  - Mitigation menu website
  - Runoff mitigation measures
- Spray Drift:
  - Buffers
  - Mitigation measures to reduce buffers

Herbicide Resistance Management Plan

- Field detection, education, evaluation, reporting, and BMPs

Internal

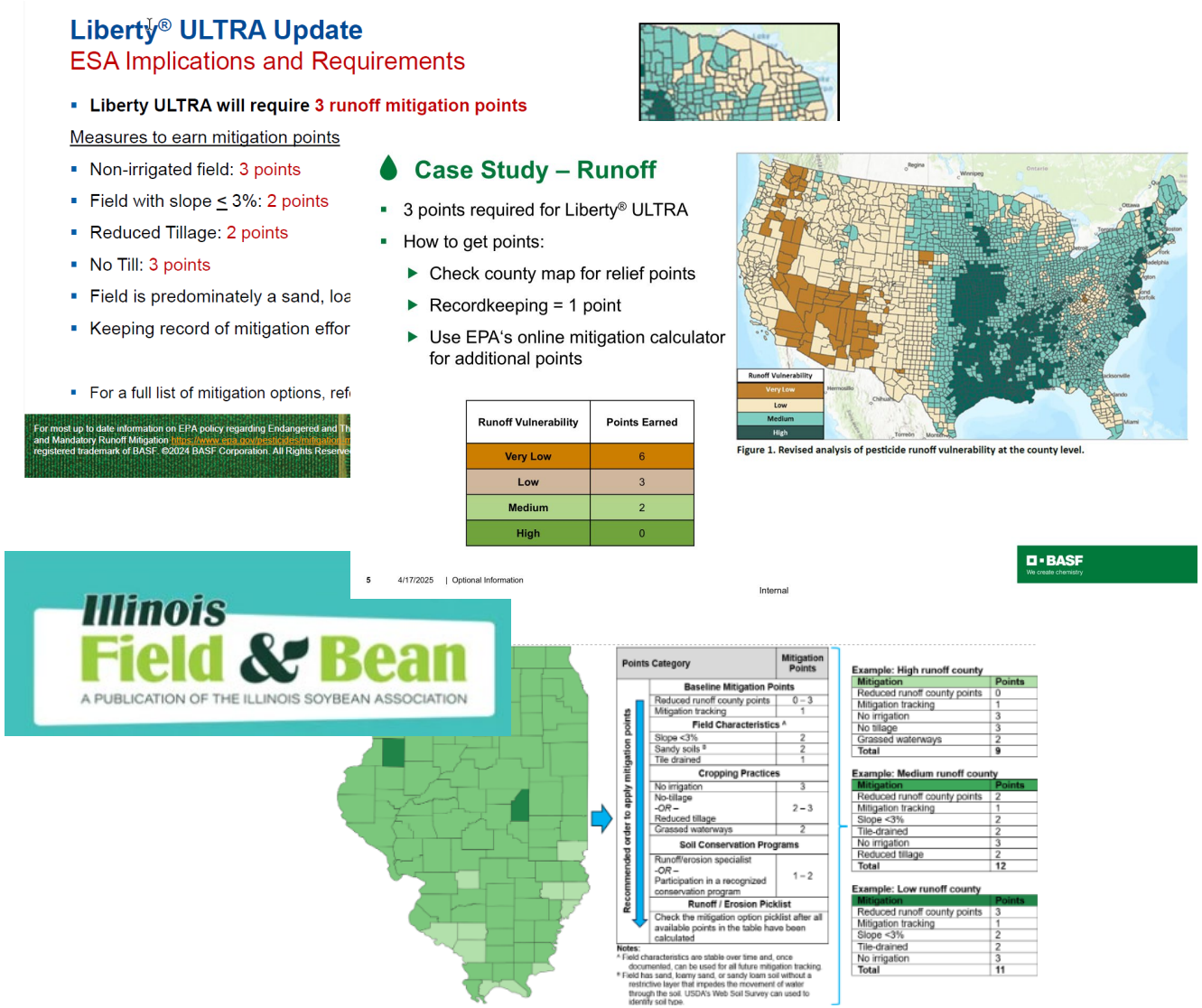
Outreach and Materials

- BASF Technical Information Bulletins





- Customer and retailer outreach and education



Internal

What is needed?



- ESA mitigations are here to stay
- Compliance is achievable

- Stakeholder coordination and user education are key
- Engagement from all stakeholders:
  - State agencies
  - Retailers
  - Extension/pesticide educators
  - Registrants

- End-users need clear and easy guidance

Internal

Resources

EPA's mitigation calculator (downloadable excel spreadsheet)

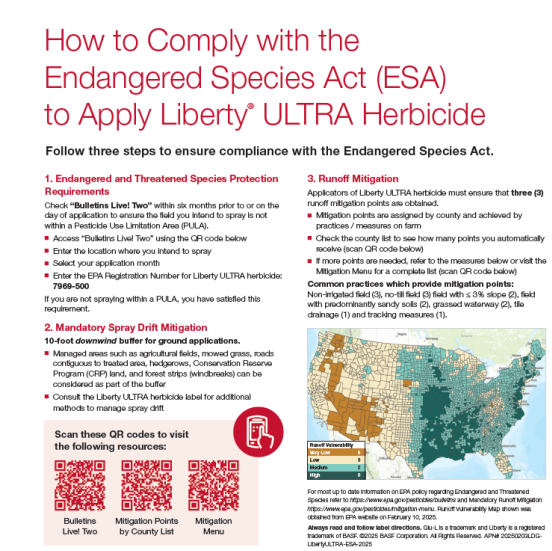
EPA's data webpage (PULAs by county)

EPA's Bulletins Live Two!

Stanley Culpepper webinar

BASF Technical Information Bulletins




How to Comply with the Endangered Species Act (ESA) to Apply Liberty® ULTRA Herbicide

Follow three steps to ensure compliance with the Endangered Species Act.

1. Endangered and Threatened Species Protection Requirements

Check **"Bulletins Live! Two"** within six months prior to or on the day of application to ensure the field you intend to spray is not within a Pesticide Use Limitation Area (PULA).

- Access "Bulletins Live! Two" using the QR code below
- Enter the location where you intend to spray
- Select your application month
- Enter the EPA Registration Number for Liberty ULTRA herbicide: **7969-500**

If you are not spraying within a PULA, you have satisfied this requirement.

2. Mandatory Spray Drift Mitigation

10-foot *downwind* buffer for ground applications.

- Managed areas such as agricultural fields, mowed grass, roads contiguous to treated area, hedgerows, Conservation Reserve Program (CRP) land, and forest strips (windbreaks) can be considered as part of the buffer
- Consult the Liberty ULTRA herbicide label for additional methods to manage spray drift

Scan these QR codes to visit the following resources:

Bulletins Live! Two | Mitigation Points by County List | Mitigation Menu

3. Runoff Mitigation

Applicators of Liberty ULTRA herbicide must ensure that **three (3)** runoff mitigation points are obtained.

- Mitigation points are assigned by county and achieved by practices / measures on farm
- Check the county list to see how many points you automatically receive (scan QR code below)
- If more points are needed, refer to the measures below or visit the Mitigation Menu for a complete list (scan QR code below)

Common practices which provide mitigation points:
Non-irrigated field (3), no-till field (3) field with ≤ 3% slope (2), field with predominantly sandy soils (2), grassed waterway (2), tile drainage (1) and tracking measures (1).

For most up to date information on EPA policy regarding Endangered and Threatened Species refer to https://www.epa.gov/pesticides/bulletins and Mandatory Runoff Mitigation https://www.epa.gov/pesticides/mitigation-menu. Runoff Vulnerability Map shown was obtained from EPA website on February 10, 2025.

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Why is the EPA's Herbicide Strategy important?

- Minimizes the potential impacts from herbicide use on endangered species and their habitats
- Streamlines and provides efficiencies to the registration process for new herbicide active ingredients and the re-evaluation of existing herbicides
- Provides practical, implementable, and effective mitigation practices to reduce exposure from herbicides to endangered species

What are the three mitigation categories to protect endangered species?

Runoff Mitigation

- Field-level mitigation practices required to reduce exposure risk to non-target species from runoff (total mitigations required varies by active ingredient)

Spray Drift Buffer

- Applicators will be required to maintain a downwind buffer to unmanaged areas

Additional Mitigation for Pesticide Use Limitation Areas

- In geographical specific areas (referred to as pesticide use limitation areas, or "PULAs"), additional mitigation and application restrictions may be required

Scan these QR codes to visit the following resources:

Bulletins Live! Two | Mitigation Relief Points by County List | Mitigation Menu

What does the EPA's Herbicide Strategy mean for herbicide registrations?

- Liberty® ULTRA herbicide was the first herbicide registered using the assessment process outlined in the Herbicide Strategy (see Liberty ULTRA Herbicide Technical Information Bulletin for more information)
- All **new** conventional herbicides will be evaluated under the Herbicide Strategy and subject to the three mitigation categories previously outlined
- As the EPA re-evaluates existing herbicides, they too will be subject to the three mitigation categories
- The EPA is working to finalize strategies for fungicides, insecticides, and rodenticides

What does an applicator need to know?

- It is the responsibility of an applicator to ensure compliance with the mitigation requirements on the label
- For Liberty ULTRA herbicide, within six months prior to an application, an applicator is required to check "Bulletins Live! Two" to determine if the field is within a Pesticide Use Limitation Area for the chosen product and, if so, follow the additional restrictions found online
  - "Bulletins Live! Two" can be accessed by scanning the QR code below
- If the application site is located outside a PULA, the applicator must ensure that the required number of runoff mitigation points for the product have been met
  - The EPA mitigation menu can be accessed by scanning the QR code below

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State websites (more to come)

- Office of Indiana State Chemist
- Colorado Department of Agriculture
- University of Tennessee Extension
- Washington Department of Agriculture

CropLife America ESA Website

https://www.croplifeamerica.org/esa

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