

# Is Runoff Mitigation Required?

Does the label state a runoff mitigation point value?



Runoff mitigation is not required.



Does at least one of the following apply to the field or application?

- The farm/field has a perimeter berm system present at the time of application.
- An irrigation tailwater return system is in place.
- Subsurface or tile drains are installed with a water control structure and controlled outlet.
- The application is a soil injection.
- The application is a tree injection.
- The application is chemigation applied subsurface or under impermeable plastic mulch.
- The application area is smaller than 1,000 square feet and the pesticide is applied with backpack, handheld, or specialized equipment.
- The area within 1,000 feet down-gradient from the treated area is entirely managed land.



Runoff mitigation is required for this application. Read the label to determine how many points are required to use the product. **Are your runoff mitigation points greater or equal to the points required by the label?**

Runoff mitigation is not needed for this application.

- The field is in a county with Medium to Very Low runoff vulnerability
  - Medium - 2 points
  - Low - 3 points
  - Very Low - 6 points
- You keep records of applications and mitigations - 1 point
- You follow recommendations from a technical expert - 1 point
- You participate in a qualifying conservation program - 2 points
- The farm is mulched with natural materials - 3 points
- There are vegetative barriers bordering the field:
  - 20 to 30 ft wide - 1 point
  - 30 to 60 ft wide - 2 points
  - More than 60 ft wide - 3 points
- You use above ground drip tape, drip emitters, or micro sprinklers. If you use center pivots or sprinklers, you also use soil moisture sensors - 2 points



Runoff/erosion mitigation is sufficient, no further mitigation is required.

See EPA's Mitigation Menu for more mitigation options. If required points are not met, the application cannot be made.

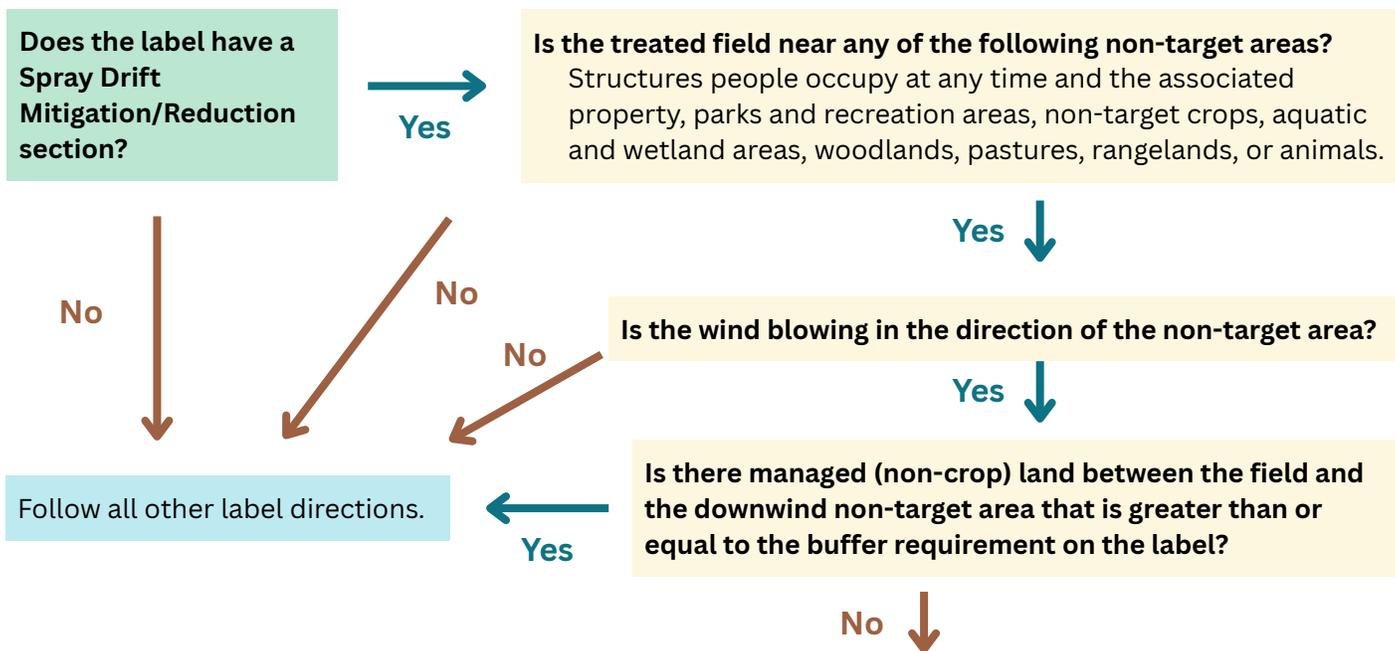


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# Is Spray Drift Mitigation Required for a Ground Application?



The following are settings/mitigations that reduce the buffer width requirement by the percentage shown. **Do these reductions allow you to meet the the label requirement of the buffer width?**

1. Relative humidity is less than 60%
  - o 10% reduction in width
2. Windbreak/hedgerow located down-wind
  - o 50% reduction for basic windbreak/hedgerow
  - o 75% reduction for advanced windbreak/hedgerow
  - o 100% reduction for riparian/forests/woodlots/shrubland greater than 60 ft
3. Reduced application rate
  - o For every 10% reduction in rate = 10% reduction in buffer width
4. Addition of a drift-reducing adjuvant
  - o 15% reduction when used in conjunction with coarse or very coarse droplet size distribution (DSD)
  - o 30% reduction when used in conjunction with medium DSD
5. Spraying below the crop (eg. drop nozzles, layby)
  - o 50% reduction in width
6. Using a larger droplet size than what is on the label
  - o 55% reduction for high boom and fine to medium-coarse DSD
  - o 65% reduction for high boom and coarse DSD
  - o 40% reduction for low boom and very fine to fine DSD
  - o 65% reduction for low boom and fine to medium-coarse DSD
  - o 75% reduction for low boom and coarse DSD
7. Application with a broadcast hooded spray
  - o 50% reduction in width
8. Between-row hooded sprayer
  - o 75% reduction in width
9. Reduce the treated area
  - o 15% reduction for 5-10 passes
  - o 35% reduction for 2-4 passes
  - o 75% reduction for 1 pass

Yes ↓

No additional action is needed.

No ↓

Application can only be made by using the downwind edges of the field as the buffer.

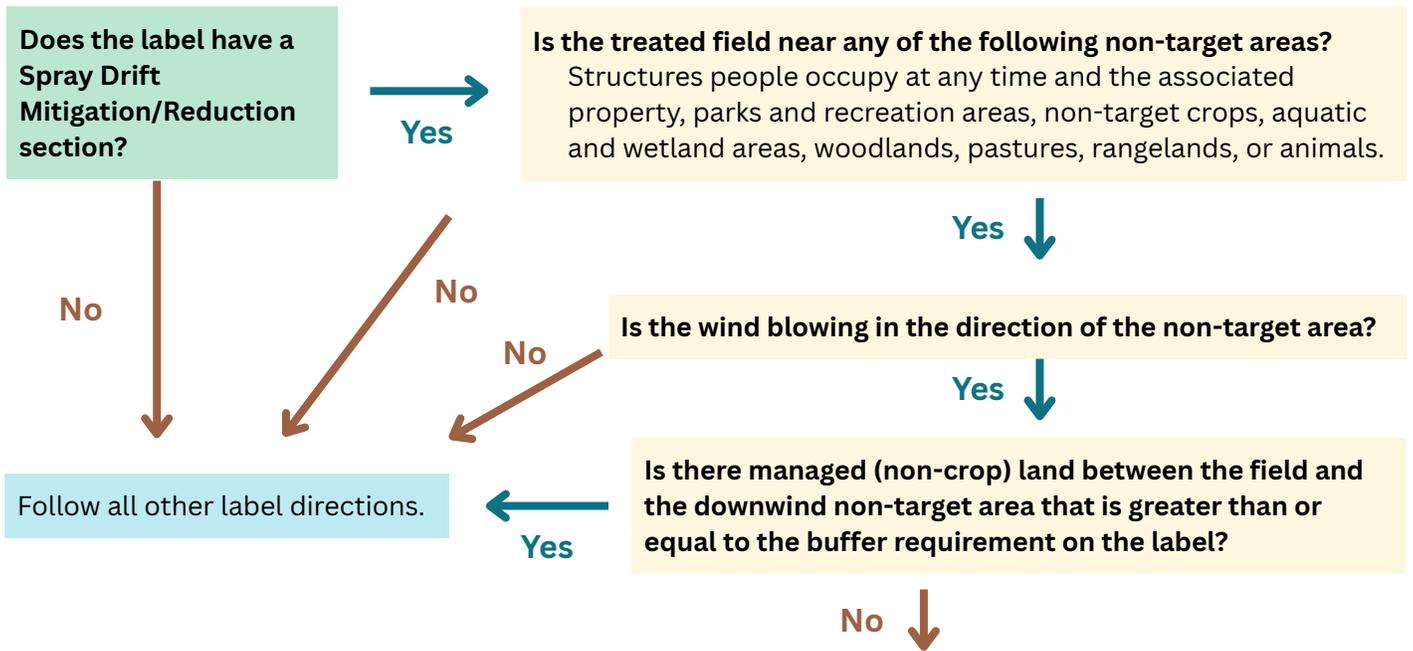


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# Is Spray Drift Mitigation Required for an Airblast Application?



The following are settings/mitigations that reduce the buffer width requirement by the percentage shown. **Do these reductions allow you to meet the the label requirement of the buffer width?**

1. Reduced application rate
  - o For every 10% reduction in rate = 5% reduction in buffer width
2. Reducing number of treated rows
  - o 15% reduction for 5-10 rows
  - o 30% reduction for 2-4 rows
  - o 70% reduction for 1 row
3. Down windbreak/hedgerow
  - o 50% reduction for basic windbreak/hedgerow
  - o 75% reduction for advanced windbreak/hedgerow
  - o 100% reduction for riparian/forests/woodlots/shrubland greater than 60 ft width.

Yes ↓

No additional action is needed.

No ↓

Application can only be made by using the downwind edges of the field as the buffer.



# Using Bulletins Live, Two! (BLT)

**Does the label direct you to Bulletins Live, Two! (under Endangered Species Requirement)?**



The need to access BLT is not required for application of the pesticide.



Go to the website, Bulletins Live, Two! Use the search function on the left side of the page or zoom in on the map to find the location where the pesticide will be applied.



A Pesticide Use Limitation Area (PULA) is an area where endangered species or their habitat exists and has pesticide application restrictions. PULA's are indicated on BLT by pink highlighted areas on the map.

**Are there any PULA's on the map encompassing the intended application area?**



No additional pesticide limitations (Bulletins) are currently in place. New limitations may be added in the future.



You are required to keep a record that you are checking BLT.

Click on the map. Then click the green "Printable Bulletin" button in the top right of the map to download a PDF that there are no active bulletins for your location and save it to your hard drive.

This only needs to be done once a month for each application site.



Click on the map (PULA) that overlaps your application area and view the products that are associated with the PULA.

**Are any of the products shown in the list going to be applied within the PULA borders?**



Click the green "Printable Bulletin" button in the top right of the map to download a PDF of the Bulletin.

Follow the listed limitations for the product you intend to use and any other limitation listed on the products label.

Don't forget to save the PDF for your records and check Bulletins Live, Two! regularly to ensure compliance with new bulletins.

