

Dicamba Stewardship Training - 2023

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DICAMBA TRAINING REQUIREMENT

- If you spray newer dicamba in dicamba cotton or soybeans, you must be trained annually.
- Only certified applicators can apply, mix, and load dicamba products.
 - No one can work under others certification. If they spray, they must be trained.
- This does not apply to spraying other dicamba products in pastures, small grains, etc.

DICAMBA OPTIONS FOR CROP USE



TANK MIXING

- You can tank mix products, but you must check the individual manufacturer website
 - <https://www.syngenta-us.com/herbicides/tavium-tank-mixes>
 - <https://www.engeniaherbicide.com/tank-mix.html>
 - <http://www.xtendimaxapplicationrequirements.com/#/search>
- Some companies have a longer list than others. You must check the list for the product you are spraying.

NEVER, EVER, MIX AMMONIUM SULFATE WITH ANY OF NEWER DICAMBA PRODUCTS!

- AMS will convert any dicamba into a highly volatile form



DRIFT REDUCTION AGENT (DRA)

- Tank-mix of DRA required for all three dicamba products
- Approved DRA products available for each dicamba herbicides
 - <https://www.xtendimaxapplicationrequirements.com/#/vralist>
 - <https://www.syngenta-us.com/herbicides/tavium-tank-mixes>
 - <https://www.engeniaherbicide.com/tank-mix.html>

NOZZLE SELECTION

- Follow the herbicide manufacture's website carefully for nozzle and pressure ranges.
- If the nozzle isn't on the list, you can't use it.



BUFFER DISTANCES

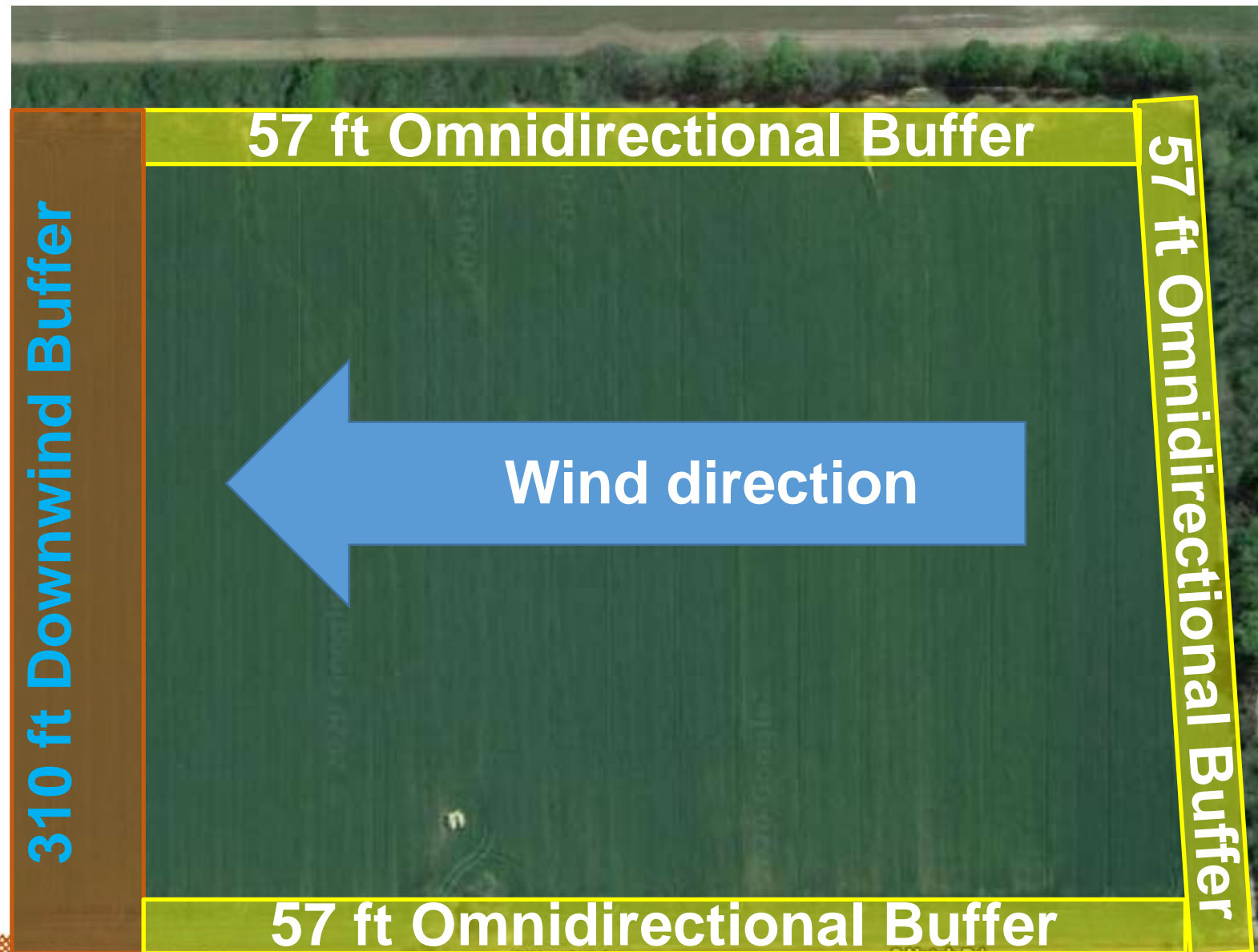
- **Do not apply if sensitive crops are downwind “.”**
- Buffer Requirement (Regular Sprayer):

Counties	Downwind Buffer	Omnidirectional Buffer
Non-Endangered Species	240 ft	N/A
With-Endangered Species	310 ft	57 ft

- Consult: <https://www.epa.gov/endangered-species/bulletins-live-two-view-bulletins> or call 1-844-447-3813 for Bulletin.

- You must use the Bulletin valid for the month and date in which you will apply the product.

BUFFER DISTANCES - ENDANGERED SPECIES



BUFFER DISTANCES

- **Use Qualified Hooded/Shielded Sprayer for Reduced use Restrictions**

Counties	Downwind Buffer	Omnidirectional Buffer
Non-Endangered Species	Reduced to 110 ft (from 240 ft)	N/A
With-Endangered Species	Reduced to 240 ft (from 310 ft)	57 ft



FLORIDA HAS ENDANGERED SPECIES

- If spraying in Gadsden, Jackson, Washington, Calhoun, Bay – you will need to use a **310' buffer**
- Check the EPA website to ensure new areas have not been included
- <https://www.epa.gov/endangered-species/bulletins-live-two-view-bulletins>



TEMPERATURE INVERSIONS

- Cold air near to warm air on top
- Usually occurs
- See how the fog is protected and
- Spray particles same.

ENVIRONMENTAL CONDITIONS



INVERSIONS DO NOT SPRAY during an inversion. Only spray between one hour after sunrise and two hours before sunset.



GROUND SPEED, BOOM HEIGHT, WIND SPEED



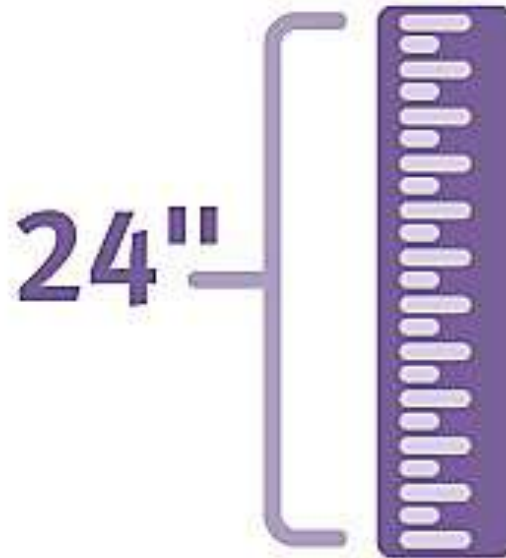
Ground Speed

≤ 15 mph



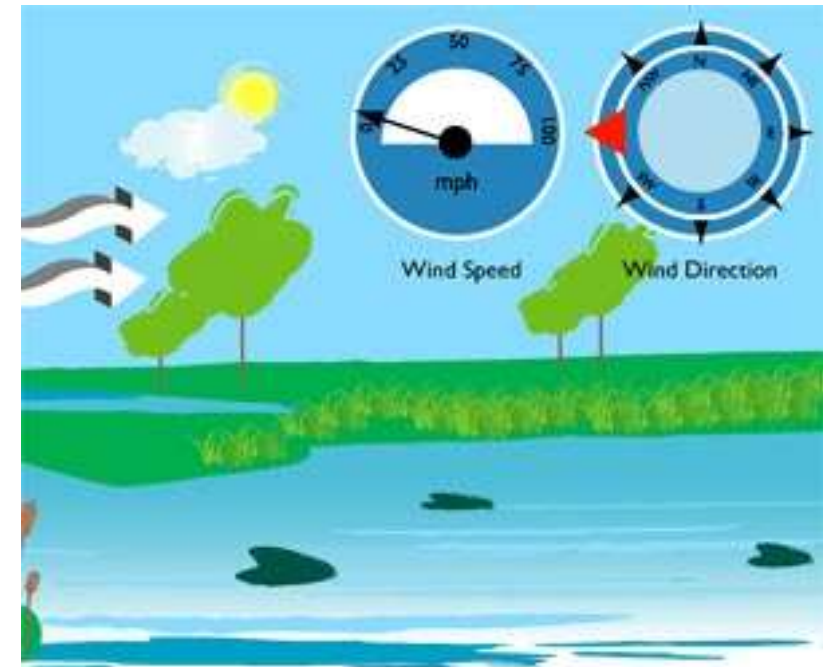
Boom height

≤ 24 inches above target



Wind speed

Between 3 and 10 MPH

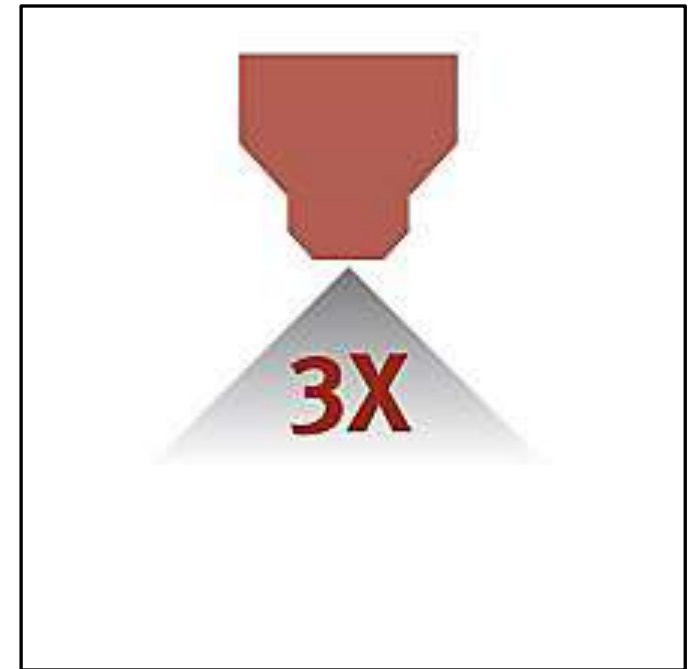


OTHER RESTRICTIONS

- Crop specific cut-off timing:
 - Soybean: Do not apply after June 30
 - Cotton: Do not apply after July 30
- Don't apply if "rain may exceed field capacity or runoff within 48-hours"
- Do not apply to "sand" soils with <3% OM and a shallow water table
- Do not apply within 50 feet of wells Crop-specific

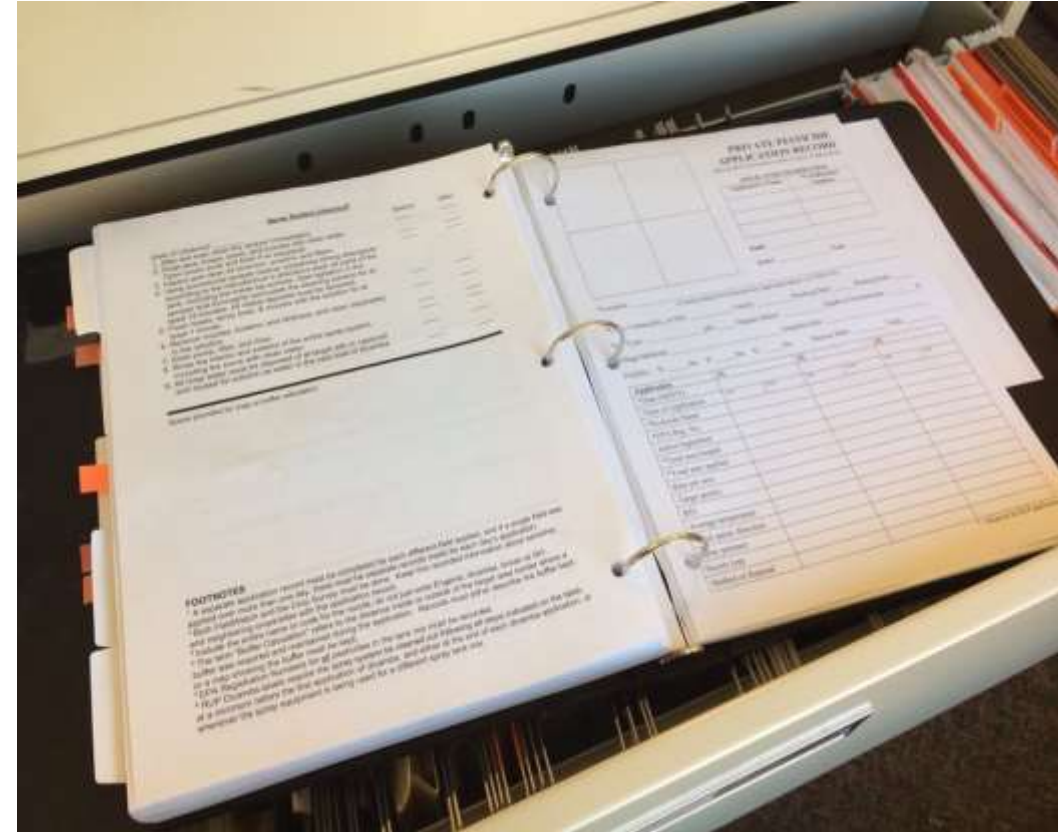
SPRAYER CLEANOUT

- Follow manufacturer recommendations.
- Most importantly - **don't let it sit in the tank.**
 - Tank-contamination resulted in many dicamba injury cases
 - Clean it as soon after the application as possible.
 - Proper tank-cleanout procedure



RECORD KEEPING

- Records must be kept for 2 years.
 - Just like all restricted-use products
- Specific to these dicamba products:
You must record the application within 72 hours.



FDACS ORGANO-AUXIN RULE

- In addition to the dicamba reporting, applicators still have to comply with the Florida organo-auxin rule.
 - Details on Florida Organo-Auxin Rule:
<https://www.flrules.org/gateway/ruleno.asp?id=5E-2.033>
1. Name and address of owner or tenant and the address of the applicator
 2. Location of mix/load area and description of application equipment
 3. Product manufacturer, formulation, and amount of active ingredient per acre , total treated acre, etc.

MORAL OF THE STORY...

- **Read the label carefully...!!!**
 - Don't take anyone's word for what is or isn't allowed. Go to the websites, read the labels for yourself!

<https://www.engeniastewardship.com/#/>

<https://www.syngenta-us.com/herbicides/tavium>

<http://www.xtendimaxapplicationrequirements.com/>

**THE LABEL
IS THE LAW!**



ONLINE DICAMBA TRAININGS IF NEEDED

- University of Florida: <https://ifas-pest.catalog.instructure.com/courses/pice-2023-dicamba-stewardship-training>
- Bayer CropScience: <https://training.roundupreadyxtend.com/>
- Syngenta: <https://syngentaus.docebosaaS.com/dicamba/learn>
- BASF: <https://dicamba.certifiedtraininginstitute.com/2023/>

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