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 "."

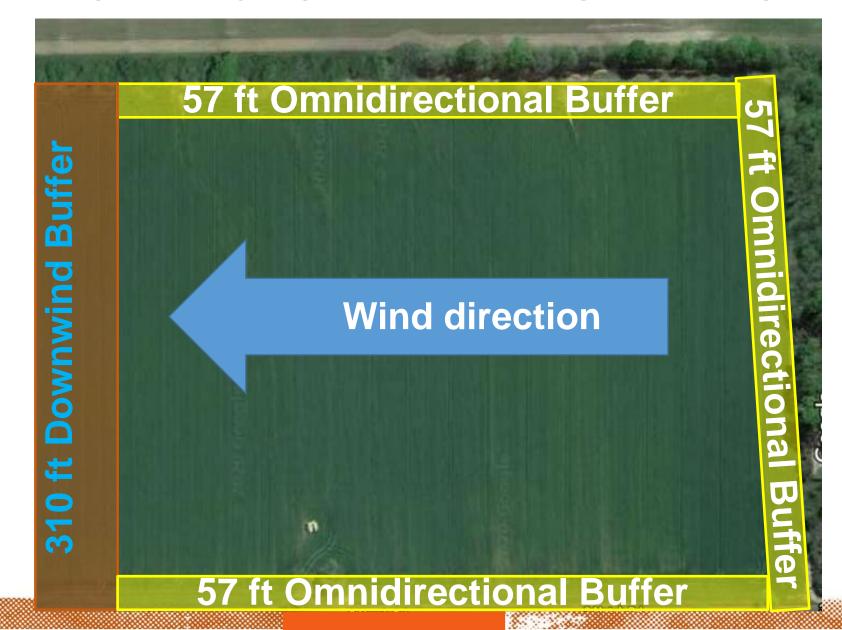
Buffer Requirement (Regular Sprayer):

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

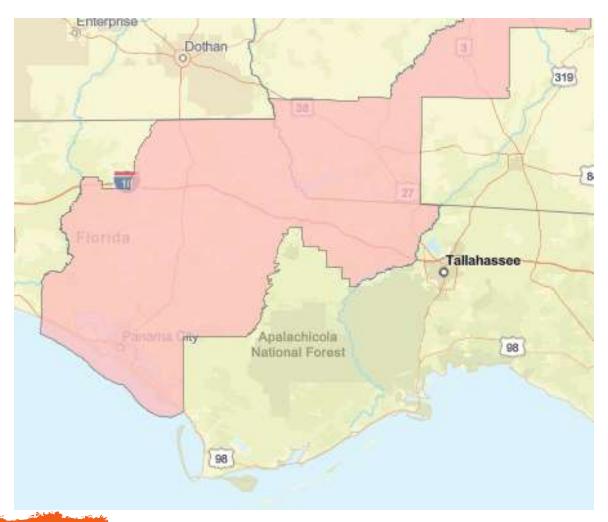
Counties	Downwind Buffer	Omnidirectional Buffer
Non-Endangered Species	Reduced to 110 ft (from 240 ft)	N/A
With-Endangered Species	Reduced to 240 ft (from 310 ft)	57 ft





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/endange red-species/bulletins-live-twoview-bulletins





TEMPERATURE INVERSIONS

- Cold air near the warm air on to
- Usually occurs
- See how the fd 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



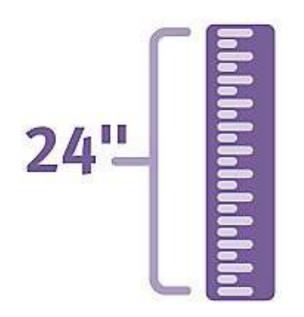
Boom height

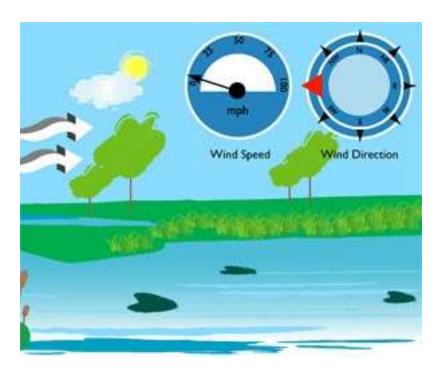
≤ 24 inches above target

Wind speed

Between 3 and 10 MPH









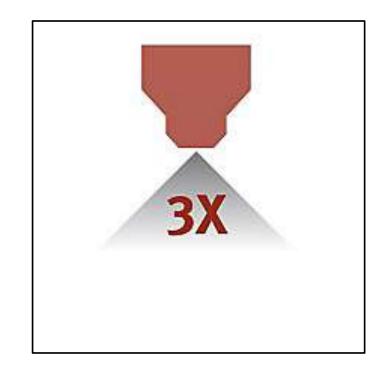
OTHER RESTRICTIONS

- 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

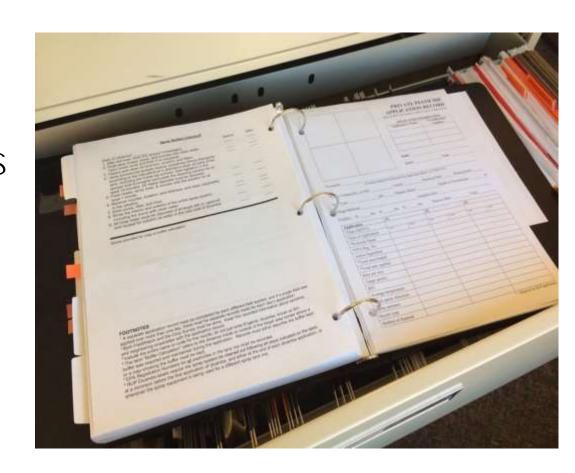
- Follow manufacturer recommendations.
- Most importantly don't let it sit in the tank.
 - Tank-contamination resulted in many dicamba injury cases
 - Clean it as soon after the application as possible.
 - Proper tank-cleanout procedure





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.





Applicators must l Receipts or oc A copy of this Record of the Record that a At a minimum Records must be s A separate record	Tovium Plus VaporGrip Technology application records for Grip" Technology herbicide is a Restricted Use Pesticide. Accurate record keeping is re- sease the following records for a period of two years, or as required by state law: product label and any state special boart needs tabel that applement has belt. Under distance calculations and any sease individed within the belfer distance calculations, sensible or on pestight year consistent and and documentation that adjustent fields and conjustents as preparated within 2 Fuzu or application, or a required by state law. must be generated within 2 Fuzu or application, or a required by state law. must be generated for each state of the product of the produc	required for the application of this product. Part Vapor Fig. Part Vapor
Certified applicator	name: Applica	ttor state certification #:
Dicamba training p	rovider (retain for proof of completion):	Date of dicamba training?: //
Pre- application information	Target post(s) (complete if required by state law): Name of sensitive crop registry consulted:	PA registration #:
Application information	Orop applied to Sopheans Cotton Type and date of application Pre-emergence / / Location of application (filed trans or 675 condrates) Buffer distance. Area included within the buffer distance:	Crep planting date / / Peel-energence / / Size of treated area:
Nozzle information	Manufacturer/brand: Type:	Orifice size: Operating pressure:
Application conditions	Towlorn use rate iff ot/Al. Sourt time (Fill out this column about the start time) : Air temporature: a.m. Wind speed (at boom height): p.m. Wind direction:	Total galons of Tavium applied:
Tank mixes	List all positioles, algorants and other products – EFA registration if only required for positions PRODUCT AND USE RATE EPA REGISTRATION #	Visit Syngential Scorn/Tankon Tankfoliuses for the correlate list of approved tank-mis partners: PRODUCT AND USE RATE EPA REGISTRATION #
Sprayer cleanout	Spray system equipment deamed prior to use Before application: / /	METHOD OF CLEANOUT



	А		PA RESTRICTED of Keeping and T	USE PESTICIDE raining Requirements	s Form	
En:	genia	application and a red State Pesticide Contr	cord must be kept for ol Official(s), USDA, a	or a period of two years; rec r every individual application and EPA upon request. Th Record Keeping Program, 7	on. Records must be following informat	e made available to
	Full Name of Certified A	pplicator	Applicator Name (if di	fferent from Certified Applicator)	State Ce	rtification #
Pre-Application	Product Name EPA Reg # I have purchase receipts (check for yes) I have a copy of the product label and any state special local needs labels (check for yes)					
Pre-Ap	Date neighboring field	nsitive crop registry cor -OR - ds were surveyed for su uxin-specific training co	usceptible crops ¹	Registry Provider		
Application	Date of Application Crop Location of the Application How was the product applied? Preemergence Postemergence If post, how many days after planting? Spray Nozzle Type Spray Pressure					
Tank Mixes		List all pesticides, adj roduct	uvants, and other pro	oducts - EPA Reg # only re Produc		es) EPA Reg #
Spraying Conditions	(at boor Wind S	perature m height) peed m height)	°F mph	es Treated = End Time Air Temperature (at boom height) Wind Speed (at boom height) Wind Direction		pplied (fl ozs/A) F
Cleanout	Before Application After Application	Date		Method of clean	out	

- 1 As a minimum, records must include the date the applicator consulted the specialty core project year templated emphasizing fields, and the name of the specialty core project year applicator consulted and required by the stocks when the specialticisten must complete discention or autor-special terminary. Training is available and required by the state whene the specialtic institute of special terminary termin
- https://www.engeniaherbicide.com/content/dam/cxm/agriculture/engenia-herbicide/stewardship/application-checklist/documents/Engenia Record Keeping Form 12-8-20.pdf
- https://assets.syngenta-us.com/pdf/media/Tavium_RecordKeeping_Form_mech_Interactive_2020.pdf
- https://www.roundupreadyxtend.com/Documents/xtendimax-record-keeping-form-v2.pdf



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/





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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