



Cotton Technical Update

LATMC
February 15, 2018

Outlook® Herbicide

Residual Weed Control in Cotton and Soybeans

■ Optimal water solubility

- Less moisture required for activation
- Easily washes off of residue

■ More available for weed uptake

- Almost twice as much active available in the soil compared to metolachlor

■ Superior formulation

- Lower use rates
- Easier handling
- Improved tank-mixing

Cotton

- EPost – from 1st true leaf to beginning bloom stage

- Dimethenamid-p
- Chloroacetamide – Group 15

Reduce risk from lack of herbicide activation

Outlook® Herbicide

Residual Weed Control in Cotton and Soybeans

Use Rate

- 12 to 16 fl oz/A
- A Pre herbicide tank mix partner is required to control emerged weeds

Postemergence Application Timing

- First true leaf cotton to beginning bloom stage
- DO NOT apply to cotton from emergence through cotyledon stage or injury may occur

Zidua® Herbicide Cotton



Longer Lasting Weed Control Under High Pressure

- Up to two weeks longer residual weed control than other herbicides

Flexibility

- Low use rate: As little as 1/20 the use rate of other residual herbicides
- Labeled for corn, soybeans, wheat, cotton, peanuts, and sunflowers

Broad Spectrum Grass & Broadleaf Weed Control

- Superior Palmer Amaranth and Waterhemp control

Zidua® Herbicide Cotton



Application Timing: Post-emergence directed (layby) from 5-leaf to beginning bloom stage



Zidua Herbicide Program

Use Rate by Soil Texture:

- Coarse: 0.75 to 1.5 oz wt/A
- Medium: 0.75 to 1.5 oz wt/A
- Fine: 1.5 to 2.1 oz wt/A

Engenia® Herbicide

2018 Federal Label Requirements

Engenia herbicide is a Restricted Use Pesticide (RUP)

- In Louisiana, only Certified Applicators and those who have completed approved state Auxin Module Training program may buy, sell or apply Engenia herbicide.
- Louisiana 24c Registration requires registrant training.



Effective Weed Management

Use residual herbicide at planting

Systems Approach for DT Cotton

2016 – MS State Research Trial – 6 Days After Last Treatment
Dundee, MS

Weeds: GR Palmer amaranth



Glyphosate Program



Engenia® Herbicide in a Layered Residual Program

PRE residual followed by POST dicamba preserves yield potential

BASF
We create chemistry

Effective Weed Management

Use residual herbicide at planting

Systems Approach for DT Cotton

PRE	EARLY POST	Post Directed LAYBY
Prowl® H2O + Cotoran® (or other PSII)	Outlook® 10-16 fl oz/A + Engenia® 12.8 fl oz/A + approved glyphosate + approved adjuvant	Zidua® 1.5-2 oz wt/A + Engenia 12.8 fl oz/A + approved tankmix partner + approved adjuvant

Dicamba Tolerant Cotton ONLY

PRE residual followed by POST dicamba preserves yield potential

Approved Dicamba Formulations

Summary of application requirements

Compete LDAF approved registrant training program

Consult www.EngeniaTankMix.com¹

- Use approved nozzles
- Use approved tank mixtures

Slow Down

- Keep travel speed to 15 mph or less
- Keep boom height at 24 inches

Clean the Spray System

- Both before and after application
- Consider all points of contamination

Know Your Surroundings

- Leave a 110 foot downwind buffer as required by label
- DO NOT spray if any wind is blowing toward neighboring sensitive crops

Know the Weather Conditions

- Avoid temperature inversions
- Spray when wind speed is 3 to 10 mph

Plan to Spray Early Post

Handling and applying dicamba requires extra caution and attention
Failure to follow any of the label requirements can lead to off-target movement

DO NOT use dicamba if you are unwilling or unable to follow requirements

¹Approved tank-mixtures and nozzles for Xtendimax® www.xtendimaxapplicationrequirements.com and FeXapan® can be found at www.dupont.com/products-and-services/crop-protection/soybean-protection/articles/fexapan-application.html
Always read and follow label directions. Engenia, Xtendimax, and FeXapan are US EPA Restricted Use Pesticides.

Engenia® Herbicide

- www.engeniatankmix.com – tank mixtures and nozzles
- www.engeniaherbicide.com – information and bulletins
- www.engeniastewardship.com – new Stewardship Portal

Always read and follow the specific product label.

These products are US EPA Restricted Use Pesticides.

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