

# Evaluation of Topramezone for use in Axant™ Flex Cotton Production

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**Objective:** Evaluate cotton response to other HPPD-inhibiting herbicides such as topramezone applied postemergence at two early season growth stages.

## Methodology:

Study 1:  
Early-postemergence



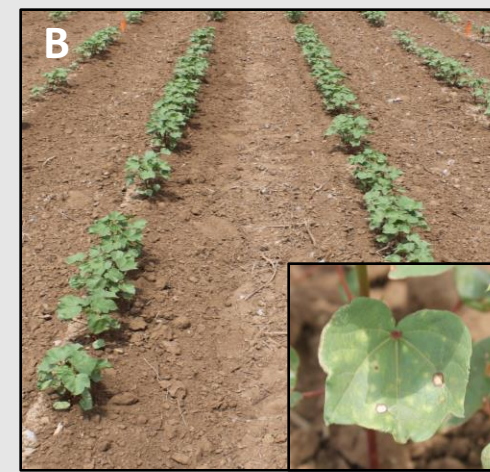
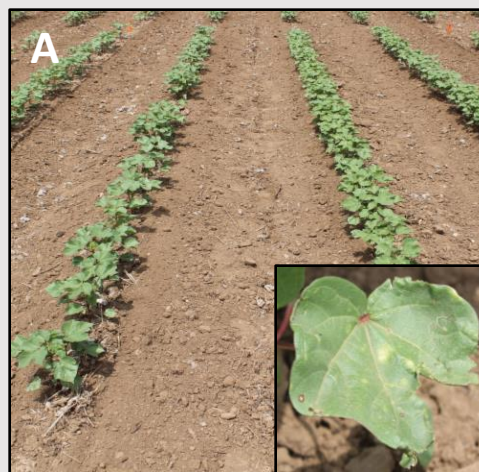
**PRE- Treatments:**  
Prometryn @ 38 fl oz/A  
Isoxaflutole @ 3 fl oz/A

Study 2:  
Mid-postemergence



**Base POST- Treatments:**  
Topramezone @ 1 fl oz/A  
Isoxaflutole @ 3 fl oz/A  
Glufosinate @ 43 fl oz/A  
Glyphosate @ 32 fl oz/A  
Dicamba @ 12.8 fl oz/A

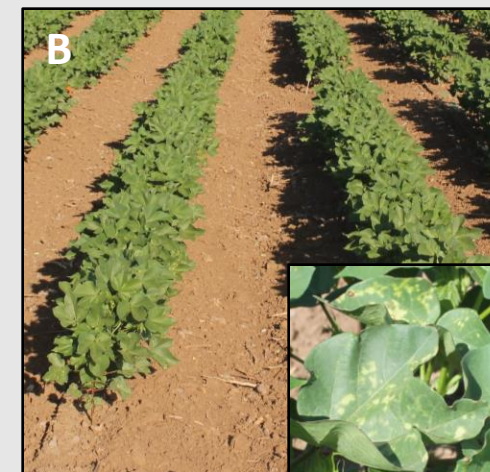
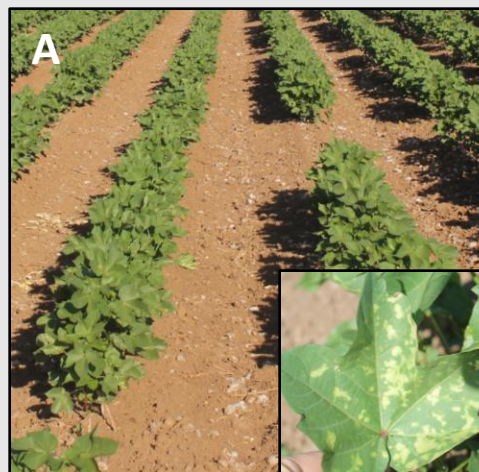
## Study 1 (14 Days After EPOST Application)



Images of IFT PRE fb TOPR + GLY EPOST (A), and PROM PRE fb TOPR + GLY EPOST (B).

No POST treatment made to 3 leaf cotton resulted in greater than 6% crop response at 7 and 14 days after application.

## Study 2 (14 Days After MPOST Application)



Images of IFT PRE fb TOPR + GLY MPOST (A), and PROM PRE fb TOPR + GLY MPOST (B).

When POST treatments were made to 7 leaf cotton, crop response did not exceed 18% at 7 and 14 days after application.

**Summary:** The use of isoxaflutole and topramezone in Axant™ Flex cotton production may help manage herbicide resistant weeds with no adverse effects on cotton yield and quality.