

# **New Developments for 2014**

**Emerging Technologies Session II**

**Louisiana Agricultural Technology &  
Management Conference**

**Marksville, LA  
February 13, 2014**

 **BASF**

The Chemical Company

# Zidua<sup>®</sup> Herbicide

## Crop Registrations



### Wheat

- Controls: Italian Ryegrass and more
- Delayed Preemergence
  - Zidua 0.75 to 1.5 oz wt/A
- Early Postemergence
  - Rate range of 0.75 to 2.1 oz wt/A on medium and fine soils
  - From emergence up to 4<sup>th</sup> tiller



# Zidua<sup>®</sup> Herbicide

## Crop Registrations

## Cotton

### ■ Layby Application

- Rate range of 0.75 to 2.1 oz wt/A, soil texture dependent
- Broadcast-directed spray between cotton rows from 5-leaf stage to beginning bloom stage



# Zidua<sup>®</sup> Herbicide

## Crop Registrations

- **Corn, Soybean and Wheat**
  - Aerial application



*Advanced Weed Control*

# Zidua<sup>®</sup> Herbicide

## Rotational Crop Label Changes



Crop	Zidua Use Rate (ozs/A)			
	1.0	2.0	3.0	4.0
	Rotational Crop Interval (months after application)			
Corn	0	0	0	0
Cotton	0	2	4	4
Grain Sorghum	6	6	10	12
Peanut	4	4	4	4
Rice	10	12	18	24
Soybean	0	0	0	4
Sunflower	4	4	4	4
Wheat	0	1	4	6

Note: See label for a complete list of rotational crop restrictions



# Sharpen® herbicide on Rice



## EPA Registration:

- **2012 to Current**
  - Preplant up to 15 days prior to planting
- **Expected in February 2014:**
  - Preplant up to planting
  - In season application
- **Burndown and residual control of broadleaf weeds**



**Sharpen®**  
Powered by **Kixor®** Herbicide

# Sharpen<sup>®</sup> herbicide on Rice\*



## Use Recommendations:

- Preplant: - Sharpen 2 fl oz/A + MSO + AMS
- Preemergence: - Sharpen 2 fl oz/A
- Spike to 2-leaf rice: - Do Not Apply
- EPost from 2-leaf rice stage up to internode elongation  
- Sharpen 1 fl oz/A + COC

\*Registration pending

**Sharpen<sup>®</sup>**  
Powered by Kixor<sup>®</sup> Herbicide

# Sharpen® herbicide on Rice



## Postemergence Broadleaf Weed Control

Currently Labeled

Common Name	Maximum Height (inches)
Amaranth, Palmer	6
Horseweed / marestail	6
Ladysthumb	6
Morningglory spp.	6
Pigweed spp.	6
Prickly sida	6
Sesbania, hemp	4
Smartweed, PA	6
Velvetleaf	6
Waterhemp spp.	6
<i>See label for more weeds</i>	--

Additional Weeds\*

Common Name	Maximum Height (inches)
Dayflower	3
Ducksalad	3
Eclipta	4
Flat sedge	3
Jointvetch, Indian	3
Jointvetch, Northern	3
Redstem	4
Sesbania, hemp	8
Texasweed	3
Water hyssop	3
Woolly croton	3

\*Registration pending



# Sercadis<sup>®</sup> fungicide on Rice



## Sercadis<sup>®</sup>

Xemium<sup>®</sup> Brand Fungicide

- For control of sheath blight (*Rhizoctonia solani*) including strobilurin resistant sheath blight
- March 2014 – EPA Section 3 registration expected for use in AR, LA, MO, MS & TX



# Sercadis<sup>®</sup> fungicide on Rice\*



## Recommendations for sheath blight control:

- Apply Sercadis at 6.0 to 6.8 fl ozs/A.
- Add non-ionic surfactant (NIS) at 0.25% v/v or crop oil concentrate (COC) at 1% v/v.
- Apply when rice is between panicle differentiation and late boot stage.
- Apply by air in 7 to 10 GPA spray solution.
- For broad spectrum disease control and for disease resistance management, a tank mix may be applied with other fungicides.

\*Pending registration

Sercadis is not registered for sale on rice.

**Sercadis<sup>®</sup>**  
Xemium<sup>®</sup> Brand Fungicide



# Provisia™ Rice System

A new vision in red rice control

**BASF**  
The Chemical Company

# Provisia™ Rice System Features

- ✓ Non-GMO system for control of red rice, volunteer rice and other grass weeds
- ✓ Resistance management - new site of action for postemergence control of red rice
- ✓ Rotational partner for the Clearfield® Production System for rice





# Engenia™ Herbicide

**DT Cotton**  
**DT Soybeans**

Anticipated Registration 4<sup>th</sup> Quarter 2014

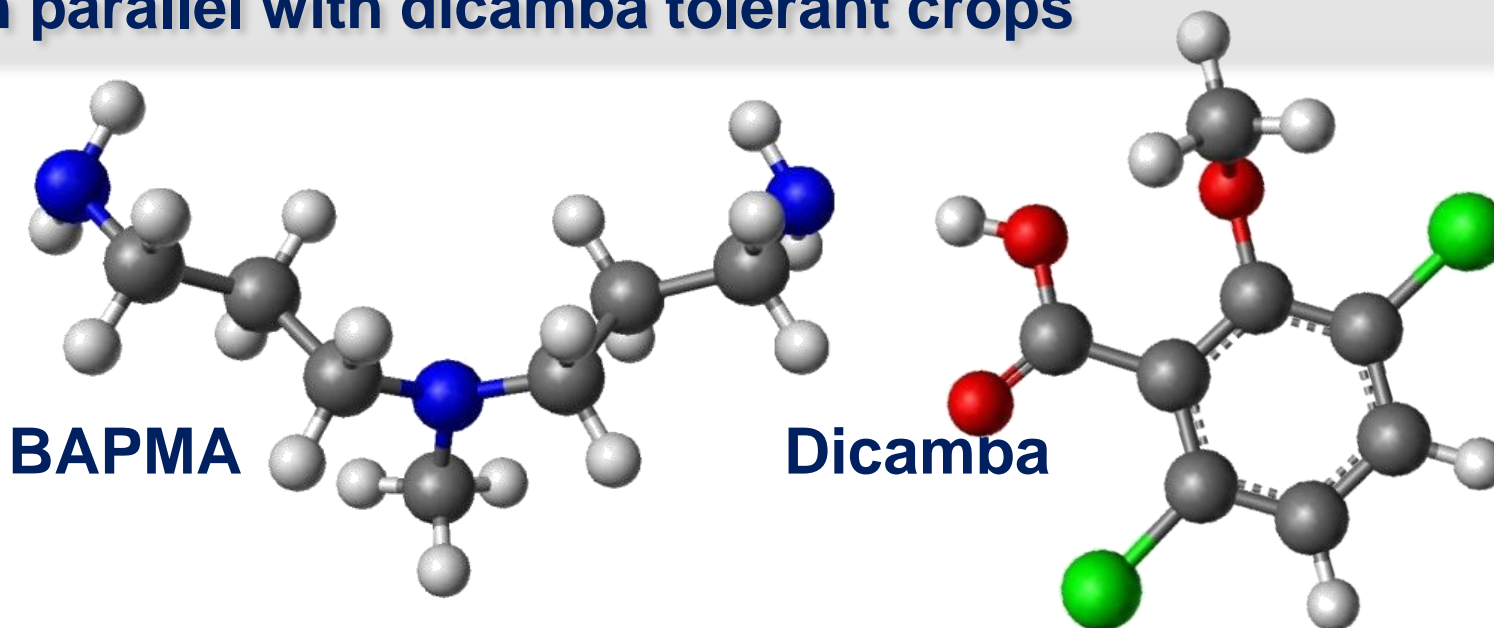
Engenia Herbicide Is Not Registered or Available for Sale

# Dicamba Formulations

- **Banvel**<sup>®</sup> = Dimethylamine (DMA) dicamba salt formulation is 4#ae/gallon
- **Clarity**<sup>®</sup> = Diglycolamine (DGA) dicamba salt formulation is 4#ae/gallon
- **Engenia**<sup>™</sup> = N-Bis-(aminopropyl) methylamine (BAPMA) dicamba salt formulation is 5#ae/gallon

# Engenia™ Herbicide

- ❑ Improved secondary loss characteristics
- ❑ Strong weed control maintained
- ❑ Good loading, compatibility and handling characteristics
- ❑ Currently under EPA review: anticipate commercialization in parallel with dicamba tolerant crops



# BASF Fungicides Registered in Sugarcane



## EPA Registered

- Caramba® Fungicide
- Headline® Fungicide
- Headline® SC Fungicide
- Headline AMP® Fungicide

## Pending EPA Registration

- Priaxor® Fungicide



**For Control of Brown Rust and Orange Rust**





The Chemical Company