



# New Crop Protection Product Developments for Rice

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150 years

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# Sharpen® Herbicide on Rice



## Recommendations – Broadleaf Weed Control:

- Preplant Burndown: **Sharpen 2 fl oz/A + MSO + AMS**
- Preemergence: **Sharpen 2 fl oz/A**
- ✗ Emergence to 2-leaf rice **DO Not apply**
- Early Postemergence: **Sharpen 1 fl oz/A + COC 1-2 pt/A**
  - From 2-leaf rice stage
  - Up to internode elongation

# Sharpen<sup>®</sup> Herbicide for Rice

## Mitigating Rice Response



## Postemergence Application Tips

- Sharpen Rate – Do not apply over 1 fl oz/A
- Adjuvant – COC 1-2 pt/A
  - 1 pt/A with Sharpen alone
  - 2 pt/A if required by tank mix partner
- AMS – should not impact rice response
- Nutritional – Do not tank mix
- Aerial applications – need even spray distribution

# Sharpen® Herbicide for Rice

## Mitigating Rice Response



## Postemergence Application Tips

- Sharpen can be applied with rice seed on the soil surface, but **Do Not** apply at seed germination or prior to 2-leaf stage.
- Use caution when making Sharpen applications on highly saturated soils due to increased crop response.
- Sharpen can be tank mixed with other herbicides in Post applications, but products formulated as emulsifiable concentrates (EC) may enhance the crop response potential.

# Limus<sup>®</sup> Nitrogen Management In Rice

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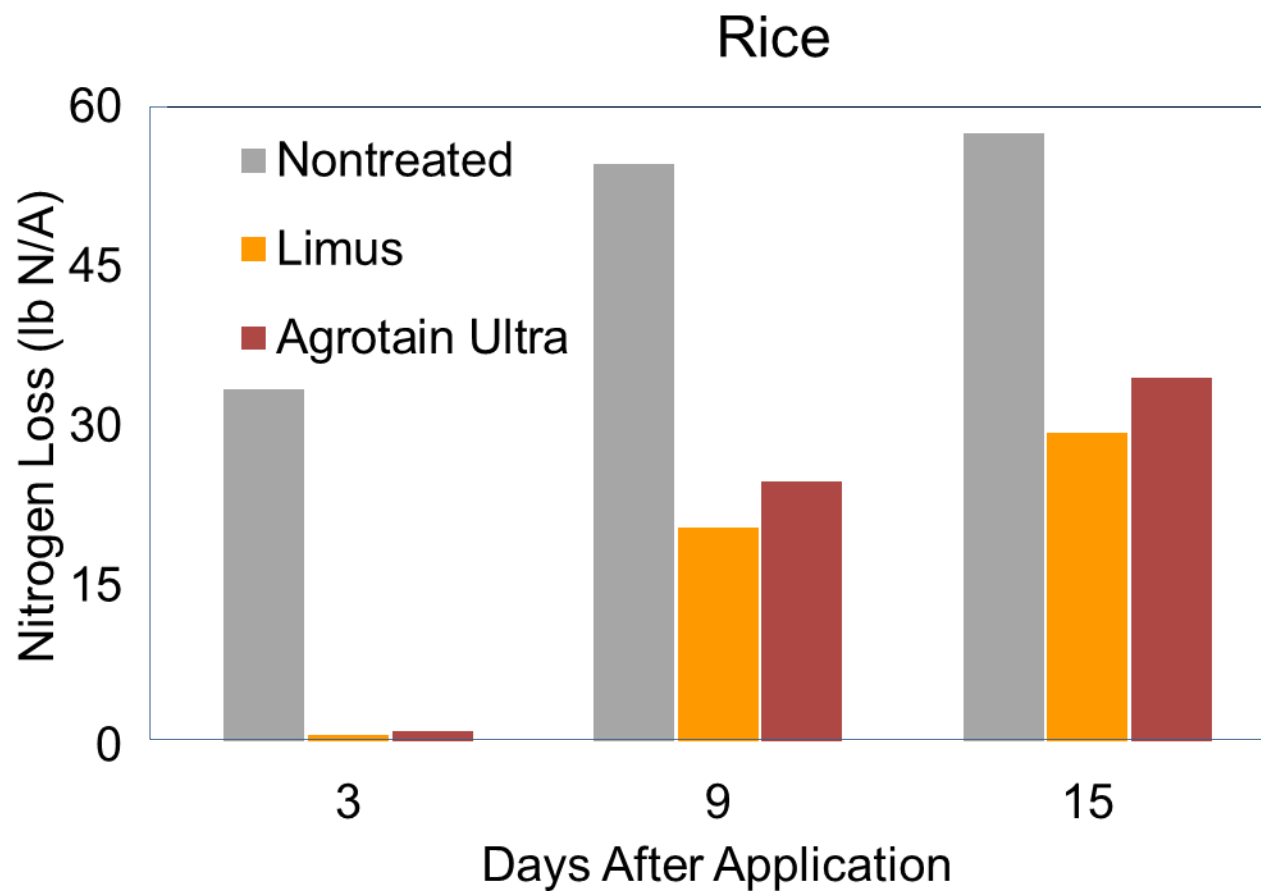
New for  
2015

- New Nitrogen management tool:  
**Limus (NBPT & NPPT)**
- More nitrogen available for uptake during critical growth stages results in better yields and consistency
- Added protection from volatilization loss means improved nitrogen application flexibility
- Blocks urease activity in the soil



**Limus<sup>®</sup>**  
Nitrogen Management

# 2014 Limus<sup>®</sup> Nitrogen Management Rice Results



# Limus<sup>®</sup> Use Recommendations

## Rice Production

### Limus for Urea

#### Use Rate

- 3 quarts/ton of urea

#### Application Timing

- Surface applied urea with >2 day delay between application and field flooding



# Provisia™ Rice System

A new vision in red rice control

150 years

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 **Provisia™**  
Rice System



# Provisia™ Rice System Features



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

# Provisia™ Rice System

## Treated with Provisia Herbicide

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Provisia Red Rice CL 161

107

Coco-drie CL XL 745

Provisia

150 years



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