

# Rice Technical Update

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Alvin Rhodes  
Technical Service Rep.

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# Provisia™ Rice Seed Development

- Newest Trait System in Rice for Red Rice Control
- Non-GMO technology
- Provisia Varieties and Hybrids being developed
- Specific disease, lodging, maturity, yield and other traits being added, where possible
- Development Timelines
  - ▶ Two varieties have been developed at LSU
  - ▶ 2016 – limited seed increase at LSU Research Station
  - ▶ 2017 – on-farm seed increase production planned
  - ▶ 2018 – projected commercial launch

# Provisia™ Rice System – Provisia Herbicide



## Provisia™

Herbicide

EPA Registration  
Approved January 2017

### GRASSES CONTROLLED

Corn, volunteer  
Barnyardgrass  
Bermudagrass  
Broadleaf signalgrass  
Crabgrass, large  
Crabgrass, smooth  
Fall panicum  
Goosegrass

Johnsongrass, rhizome  
Johnsongrass, seedling  
Junglerice  
**Red Rice**  
**Rice, volunteer**  
Shattercane  
Sprangletop  
Texas panicum



Newest Trait System for Red Rice Control in Rice

# Provisia™ Rice System: Potential Tank Mix Partners

## Acceptable:

- Basagran® 5L herbicide – bentazon
- Command® 3ME herbicide – clomazone
- Facet® L herbicide – quinclorac
- Grasp® SC herbicide – penoxsulam
- League® herbicide – imazosulfuron
- Permit® herbicide – halosulfuron
- Permit Plus® herbicide – halosulfuron + thifensulfuron
- Prowl® herbicide – pendimethalin (added residual grass and broadleaf)
- Regiment® herbicide – bispyribac
- Sharpen® powered by Kixor herbicide – saflufenacil

# Provisia™ Rice System: Not Labeled as Tank Mix Partners

## Sometimes antagonistic:

- Stam® M4 herbicide – propanil
- RiceBeaux® herbicide – propanil + thiobencarb
- Grandstand® R herbicide – triclopyr

# Provisia™ Rice System: Projected Label Information

<b>Active Ingredient:</b>	Quizalofop-P-ethyl (Group 1 [A], ACCase)
<b>Formulation:</b>	Emulsifiable Concentrate (EC)
<b>Rainfast:</b>	1 hour
<b>Preharvest Interval:</b>	PI (Panicle Initiation)
<b>Max Annual Rate:</b>	31 fl oz/A
<b>Application Interval:</b>	10-14 days
<b>Adjuvant:</b>	COC (preferred)
<b>Drift Management:</b>	Avoid drift to grass crops
<b>Rotation:</b>	Minimum 120 days (except cotton, soybean and rice), Provisia Rice not allowed in following season



**Aerial - 5 GPA**  
Coarse or Larger Droplets  
COC: 1% v/v



**Ground - 10 GPA**  
Medium or Larger Droplets  
COC: 1% v/v

# Provisia™ Rice System:

## Stewardship – Rotations

*If only planting Provisia rice, Clearfield® rice and soybeans*

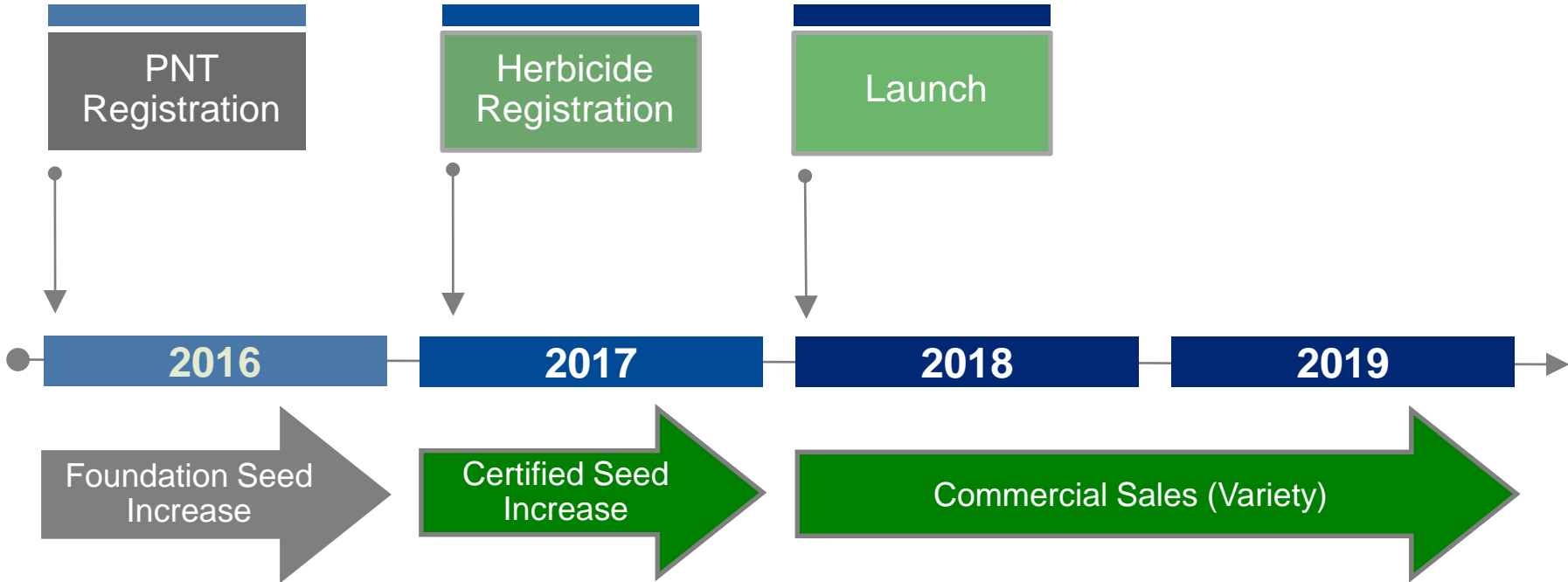


### Rotation options starting with Provisia rice in 2018

Options	2018	2019	2020	2021
Option 1	Provisia rice	Clearfield rice	Soybean	Provisia rice
Option 2	Provisia rice	Clearfield rice	Soybean	Clearfield rice
Option 3	Provisia rice	Soybean	Provisia rice	Clearfield rice
Option 4	Provisia rice	Soybean	Clearfield rice	Soybean
Option 5	Provisia rice	Soybean	Provisia rice	Soybean

**Do Not plant Provisia Rice the year following Clearfield Rice**

# Provisia™ Rice System: Projected Commercialization Timeline







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