



# Rogue™ – A Novel Herbicide for US Rice Production

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- Benzobicyclon is the first HPPD inhibitor (Group 27) for US rice
- Formulated as a 3.3 SC with the trade name of Rogue™
- Use rate of 8.4 – 12.8 oz./A.
- Post-flood pre-emergence and post-emergence weed control for water-seeded and drill-seeded rice
- Apply to submerged weeds as soon as a stable flood is established
- Extremely safe to inbred and hybrid rice in field trials

- Barnyardgrass must be  $\leq 2$  leaves at time of application for control
- Tank-mixing Permit<sup>®</sup> or Permit Plus<sup>®</sup> with Rogue enhances control of barnyardgrass, yellow nutsedge, sesbania and jointvetch
- Ground and aerial application with NIS or COC
- Maintaining a deep and stable flood enhances weed control
- Rogue can only be used on rice that is followed by rice
- No more than one application of Rogue per year

## Rogue applied alone -

- **Weeds controlled:**

Ducksalad

Smallflower umbrella sedge

Rice flatsedge

Amazon sprangletop

Bearded sprangletop

Red sprangletop

Water hyssop

Roundleaf mudplantain

California arrowhead

Winged waterprimrose

Globe fringebrush

## **Weeds suppressed:**

Barnyardgrass

Hemp sesbania

Jointvetch

Yellow nutsedge

- **For optimum results with Rogue on drill-seeded rice:**
  - Apply as soon as a stable flood is established
  - Maintaining a deep (3-4 in.) flood enhances weed control
  - Apply to weeds that are submerged at the time of application
  - Side inlet irrigation is ideal for maintaining placement of the herbicide in the field. Avoid use on fields with gravity irrigation and short distances between levees.

- **Registration Status**

- Benzo was submitted concurrently to the EPA and CDPR in December 2014
- Benzobicyclon was accepted as a reduced risk pesticide
- Butte<sup>®</sup> (3% benzobicyclon + 0.64% halosulfuron granular formulation) was the only product submitted
- Registration in CA is expected in 2016
- The Mid-South registration package for Rogue is expected to be delivered to EPA in 2016
- The registration package for Rogue Plus will follow the submission of Rogue

## Questions?

