

# Dow AgroSciences Rice Product Update – 2007- Larry Walton



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC

*Thanks for your support of our rice products!*





# Grasp - Preflood Programs

*Get control of your weeds early!*

- Command + Grasp (early post, 1-2 LF rice):
  - Follow-up if needed preflood / midpost (Grandstand, Permit, propanil products)
    - Early emerging BYG, broadleaf weeds, and rice flatsedge
    - Residual control of BYG, smartweed, and RFS
- ***Safer to corn and grain sorghum compared to some other BL herbicides...***





# Grasp - Preflood Programs

*Cleanup weeds and grasses before the flood!*

- Command (PRE) followed by Grasp or Grasp tank mixes preflood:
  - Grasp plus Facet:
    - Improves control of BLSG and MG, residual control of coffeebean and indigo, and added control on BYG (*including quinclorac-resistant biotypes*).
  - Grasp plus propanil
    - Improves control of BLSG and small sprangletop, plus residual BYG (*including propanil resistant biotypes*), smartweed, and RFS
  - Grasp plus Grandstand:
    - Improves control of morningglory, alligatorweed, and large coffeebean & indigo
  - Grasp + Londax:
    - Improves Texasweed and sedge control





# Grasp - Postflood Programs

*Some fields are always a problem with late weeds!*

- Excellent fit for mid-season control of barnyardgrass, Indigo, coffeebean, and other broadleaf weeds and rice flatsedge.
- Grasp @ 2.3-2.8 oz/A + COC or MSO (1 qt/A)
- Optimum timing is 7-10 days after flood
- Good spray coverage important:
  - 10 GPA and 70% foliage exposed above the water.
- Can be tank mixed with Clincher if needed for sprangletop control.





# Grasp for Water-Seeded Rice

*Say goodbye to aquatics and barnyardgrass!*

- Early post-emergence application for broadleaf weeds, rice flatsedge and 1-4 leaf BYG control alone or tank mixed.
  - Controls ducksalad, indigo/jointvetch, aquatic weeds, and rice flatsedge
  - Controls BYG (*including propanil and Facet resistant biotypes*)
  - Suppression of perennial BYG
  - Tank mix to broaden spectrum::
    - Clincher for sprangletop control
    - Grandstand for alligatorweed, morningglory
    - Londax for Texasweed.





# Grasp for Water-Seeded Rice

**New 2(ee) Supplemental label for Louisiana water seeded rice:**

## Directions for Use

Following an application of **Grasp SC** to a field with **saturated soil or partially drained**, wait at least 3 hours before beginning the establishment of the permanent flood. **Following an application of Grasp SC to a field that is completely drained and the soil is dry**, wait at least 3 days before beginning the establishment of the permanent flood.

Reinfestation of some weeds may occur if a permanent flood is not established in a timely manner.





## Grasp – Other Information

- **What about adjuvants?**
  - 2 yrs of research has shown consistent results with COC or MSO at 1 qt/A
    - Adding UAN does not always help, and sometime reduces control on some weeds
    - MSO has been the most consistent adjuvant across all weeds.
  - Important to use 1 qt/A for best consistency, regardless of adjuvant brand – **DO NOT CUT THE ADJUVANT RATE!**





## Clincher<sup>®</sup> SF herbicide

*It just doesn't get any better than this!*







Reduced Rate of Clincher SF for Early Postemergence  
Control of 1-3 Leaf Grasses in 1-2 Leaf Rice – New 2ee  
Supplemental –2007

*New 2ee label for 2007*





## Clincher SF herbicide

- Wide window of application - applied pre- or post-flood – *one leaf up to up to 60 days prior to harvest*
- Pre-flood: Tank-mix with residual herbicide on 1-3 leaf grasses at 1-2 leaf rice timing. Great fit tank-mixed with Command, Facet, Pendimethalin or Grasp applied at this time.
  - Low probability of drift -- no significant risk of injury to neighboring broadleaf crops like cotton, soybean, tomato, and other vegetable crops.
  - Fits in Water Seeded or Drill Seeded Rice
  - Very consistent in concept plots during the past 5 years



*Let's drive this concept home for 2007!*



## Early-Season Tank Mixes with Residual Herbicides

- Rate of Clincher: 10-13.5 oz/acre tank-mixed with recommended rate of pre-emergence herbicide
- Minimum of 1 quart/acre COC or MSO is required.
- Apply to partially to fully drained field -- soil needs to be “saturated”.
  - Good soil moisture conditions (i.e. > 0.5” rainfall OR irrigation flush) and actively growing grass weeds
- Minimum of 10 gallons of water per acre spray volume required.
- Ground applications are not recommended

*Use 10 to 13.5 oz/acre applied to a saturated soil*





# Post-flood Application Timing

## *Best Use Practices to Maximize Results with Clincher*

- **Thorough coverage is essential,**
- Use rate of 15 oz/acre; In certain situation due to coverage related issues, a sequential application of 10 oz/acre is recommended no less than 10 days later
- Use a minimum of 1 quart/acre of COC or MSO
  - We do not recommend the use of drift control agents except where DAS has researched with channel partner and approved.
- 10 gallons or more of water/acre spray volume
  - Reduced volume = reduced control
- Clincher is rainfast within 2 hours after application.

*Coverage, Coverage, Coverage*





## Post-flood Application Timing

*Best Use Practices to Maximize Results*

- If spray solution has pH > 8.0 use a buffering agent to lower
  - We do not recommend the use of drift control agents except where researched and approved.
- Clincher SF **SHOULD NOT** be tank-mixed with post-emergence herbicides including propanil products, Grandstand, Aim, Permit, Londax or 2,4-D herbicides.
  - The application of Clincher SF should be made **at least 5 days before or 7 days after** the application of herbicides listed above.



*Apply Clincher 5 days before or 7 days after herbicides listed above!*



# Grandstand

*Take charge of your broadleaf weeds in rice!*

- Grandstand + propanil
  - Excellent fit in Clearfield system for **black seeded escapes** such as sesbania and jointvetch (University tried, tested and proven)
- Grandstand + Permit
  - “Clean the House” weed control program
    - **Nutsedge, coffeebean, indigo, morningglory, “junk weeds”**
- Excellent safety to rice applied preflood or postflood.
- Can be used in drill-seeded and water-seeded rice.
- Low drift potential compared to 2,4-D





## Propimax\* EC

*#1 for Kernel Smut & Arrow Brown Leaf Spot control in rice!*

- Propimax\* EC fungicide provides protectant as well as curative control of a broad-spectrum of diseases
- Active Ingredient: propiconazole (systemic)
- Target diseases in rice:
  - Kernel smut
  - Arrow brown leaf spot and brown blotch
  - Sheath blight
    - *For control of sheath blight, propiconazole is commonly applied in combination with Quadris fungicide.*
  - Brown leaf spot
  - Leaf smut
  - Sheath spot
  - Black sheath rot
  - Stem rot (suppression)

• **Don't Forget Propimax in Wheat!!**





# We Appreciate Your Business...



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC



\*Trademark of Dow AgroSciences LLC