



# Preplant Burndown to Rice

LACA Feb 7 2008

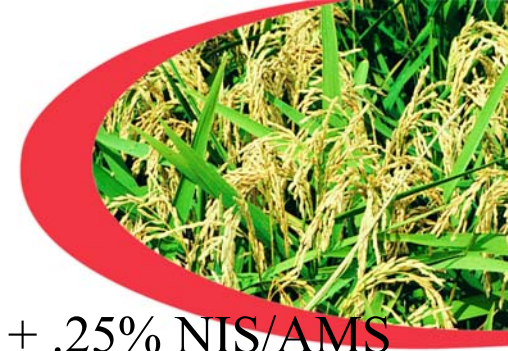
Toby McCown

DuPont Crop Protection



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# Harmony® Extra XP- 2007



- Harmony® ExtraXP: 0.3 - 0.6 oz product/ac + glyphosate + .25% NIS/AMS
  - Improved control of curly dock, henbit, carolina geranium, primrose, mayweed, smartweed, & many others.
- - 14 Day Preplant Interval: Corn, Soybeans, Sorghum, Cotton
- - 0 Day Preplant Interval: Rice
  - Improved control with early application
  - Treating smaller weeds, with less regrowth
- - Allows time for vegetation to decompose
- - Soils warm quicker
  - Better utilization of soil moisture
  - Start clean with easier planting
  - Less early season insect pressure
- - Add a phenoxy for improved marestail/horseweed control, check plantback label for additional interval



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**Daboval, Thornwell: 25 ozs Roundup Original Max +.5 ozs Harmony® Extra XP + 1% crop oil + 1 gal AMS/5 GPA air.**



**Daboval: Winter flooded, Drained, sticky wet, Sprayed, Reflooded & planted 7-10 days after application.**



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# Daboval: Winter flooded, Drained, sticky wet, Reflooded & planted 7-10 days after application.



\*alligator



check



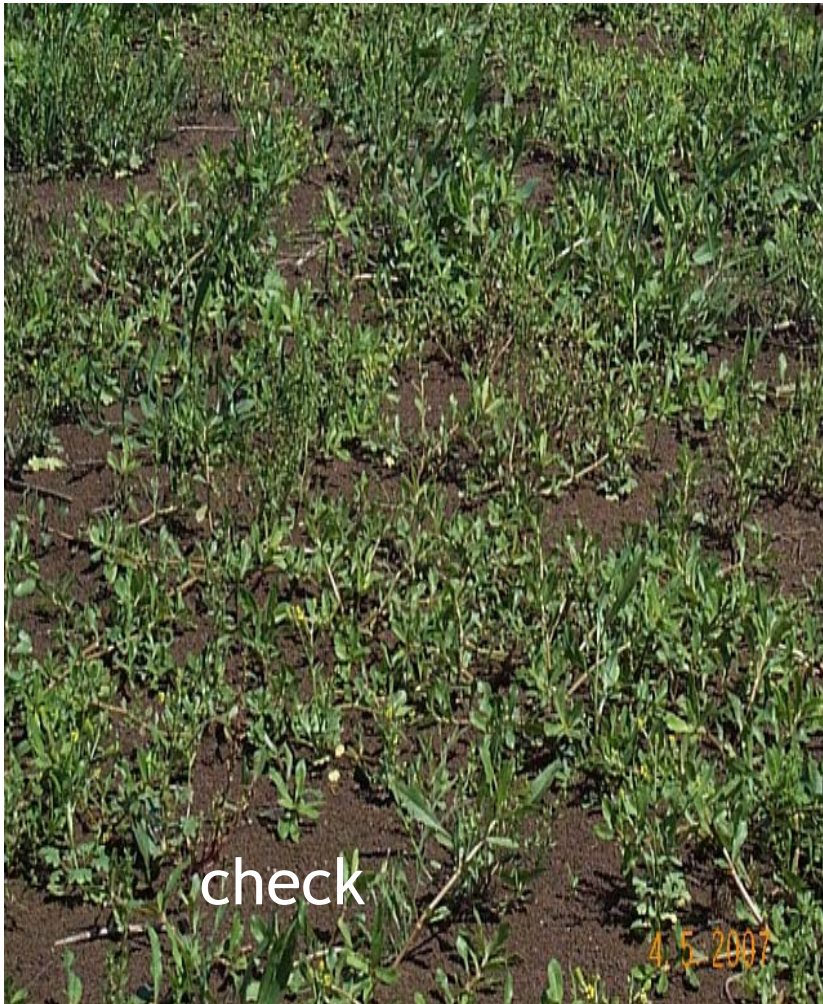
Curley dock

\*Alligator weed is not on the current Harmony® Extra Label.



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**Brown/Cheneyville-4 pts. 4lb a.i. glyphosate  
+.5 oz Harmony® Extra XP + 1/2 % crop oil /5 GPA air.**



\*Southern Smartweed, Ammannia and Alligator weed are not currently on the Harmony®Extra label.



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**Brown/Cheneyville-3 pts. 4 lb. a.i. glyphosate +.5 oz  
Harmony® Extra XP + 1/2 % crop oil /5 GPA air.**



\*Burhead or Duck Potato  
7dat (echinodorus cordifolius) 4.27.2007



\*Arrow leaf 7 dat 4.27.2007



\*Cattail 7dat 4.27.2007



\*Water primrose 7 dat 4.27.2007

\*Burhead, Arrowleaf, Cattail, Water Primrose are currently not on the Harmony® Extra Label The miracles of science™

**Brown/Cheneyville-3 pts 4 lb a.i. glyphosate +  
.5 oz Harmony® Extra XP + 1/2 %crop oil /5 GPA air.**



7 dat 95% drained @ app.

4.27.2007



7 dat wet application

4.27.2007



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# FirstShot<sup>®</sup> SG 2008

## New Burndown Herbicide



- A product specific for burndown applications
- New SG TotalSol formulation
- 1 part Express 1 part Harmony (1to1 Ratio vs 2 to 1 Ration)
- Use rate of 0.5 to 0.8 oz/A (50% Active vs 75%)
- Rate dependent on target species, weed size, and tank mix partner – consult label)
- Tank mix partners include glyphosate, paraquat, Ignite, 2,4-D LVE and others
- Reduced Preplant Intervals for FirstShot<sup>®</sup> SG:
  - Rice & Wheat– 0 days
  - Soybeans – 7 days
  - Cotton, Corn, G. Sorghum – 14 days

(Consult tank mix partners for appropriate preplant intervals.)



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# FirstShot<sup>®</sup> SG

## Burndown Herbicide @ LSU



- Rice – Labeled at 0 Days pre-plant
- Use rate of 0.5 to 0.8 oz/A (dependent on target species, weed size, and tank mix partner – consult label)
- Tank mix partners include glyphosate
- 2007 - LSU - Dr. Webster – Rice
- Treatments applied 7 days before planting
- No Rice injury observed in this trial



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# DuPont™ Dermacor™ X-100 Seed Treatment

## Rice Insect Control

Section 18 approved for LA

DuPont Crop Protection



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# Rice Water Weevil

Mike Stout Trial - Crowley, La.  
72 Days After Planting



Untreated Check

DuPont™ Dermacor™  
X-100 Seed Treatment



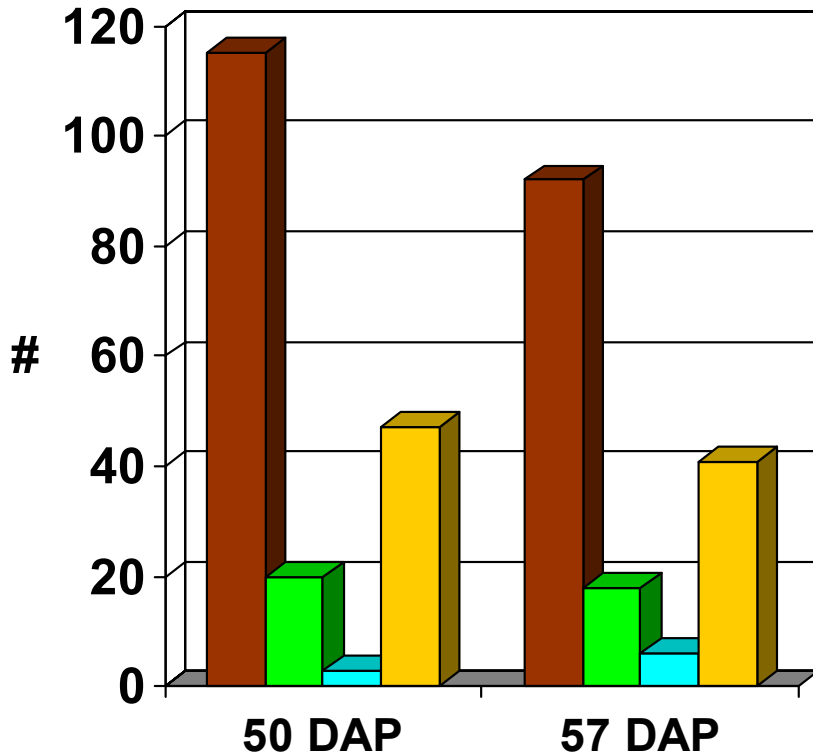
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# 2005 U.S. Field Studies Demonstrated a Dramatic Response on Rice Water Weevil with DuPont™ Dermacor™ X-100

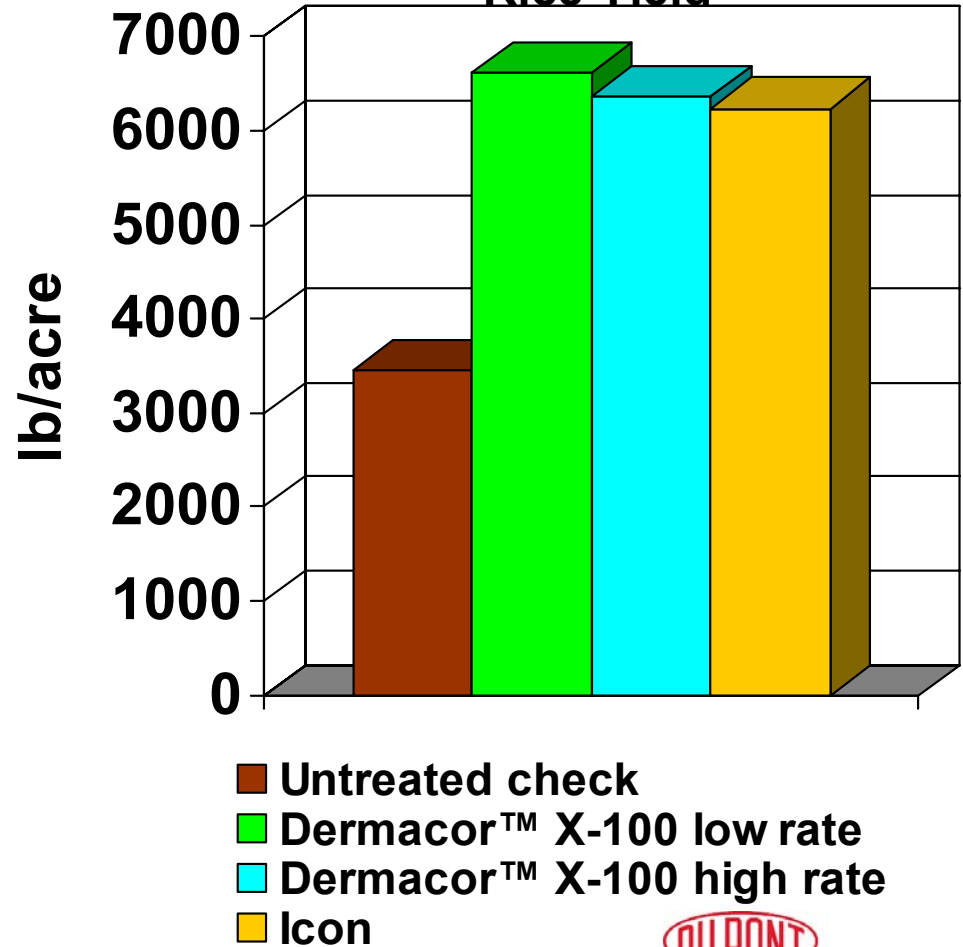
Mike Stout, LSU, Crowley



### Rice water weevil immatures/core



### Rice Yield



- Untreated check
- Dermacor™ X-100 low rate
- Dermacor™ X-100 high rate
- Icon



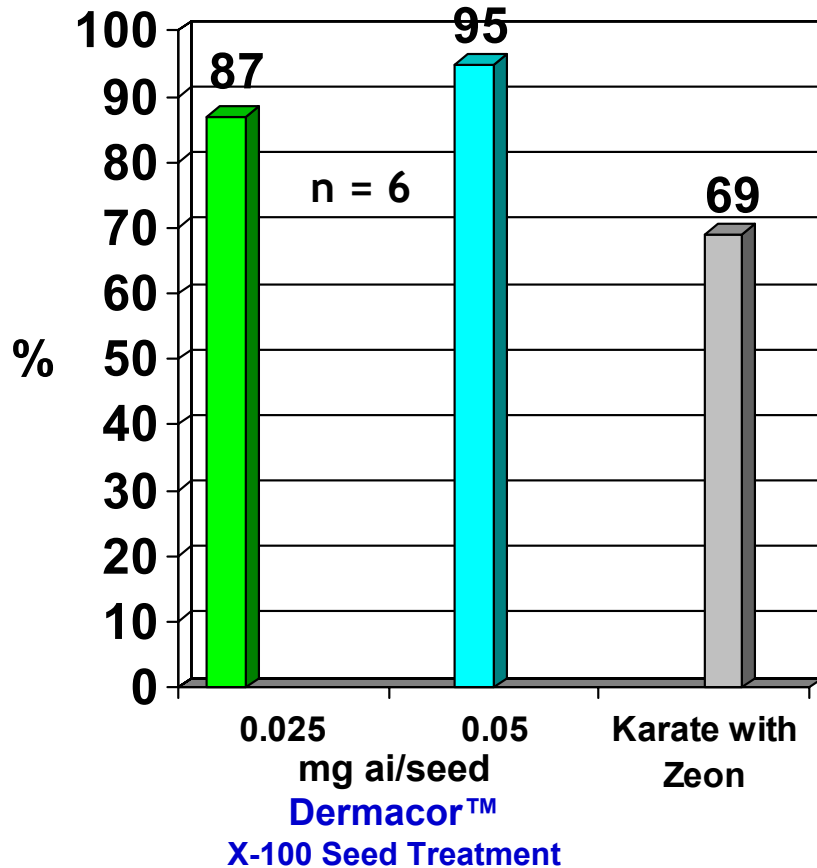
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# DuPont™ Dermacor™ X-100 Seed Treatment for Control of Rice Water Weevil - (non-hybrid)

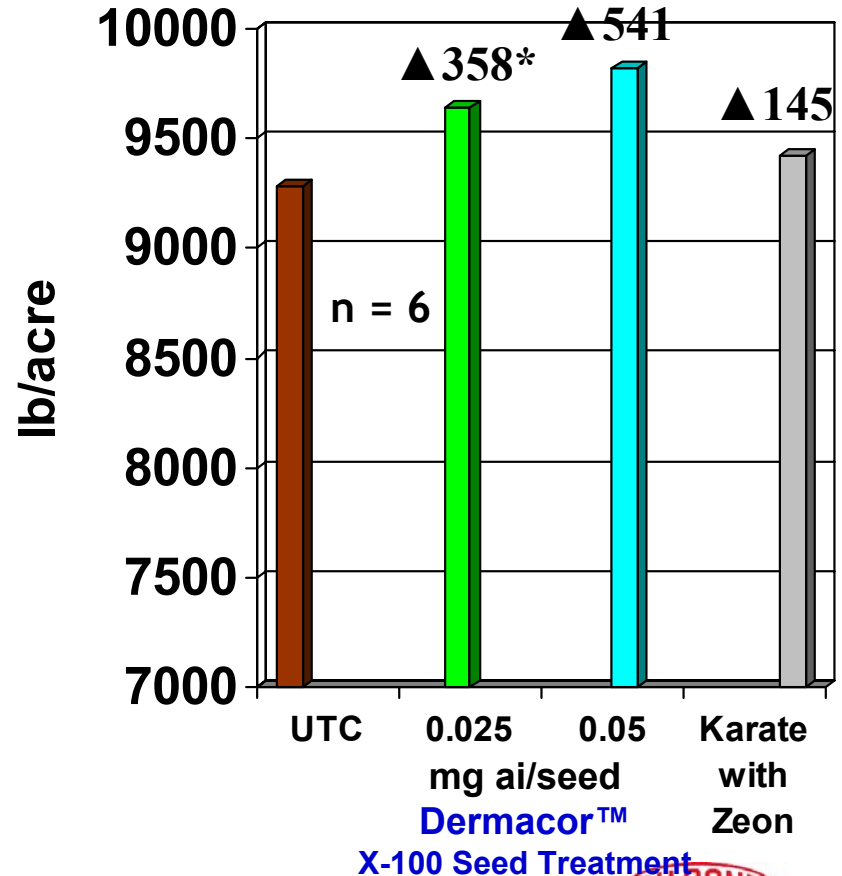


2006 - 2007 Trials with Standard\*

**Rice Water Weevil Control Based on Untreated Check**



**Rice Yield**



\*Includes data from 6 trials from university investigators that included a commercial standard in TX, AR, MS, and MO in 2006 and 2007.

\*\*▲ = Yield increase over untreated check.



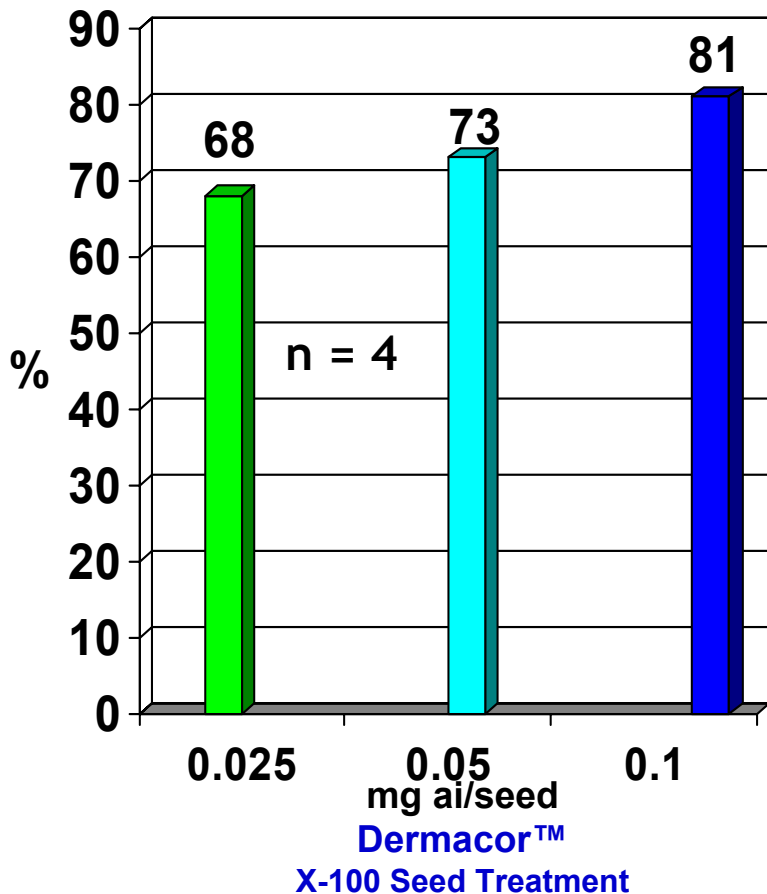
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# DuPont™ Dermacor™ X-100 Seed Treatment for Control of Rice Water Weevil - (Hybrid)

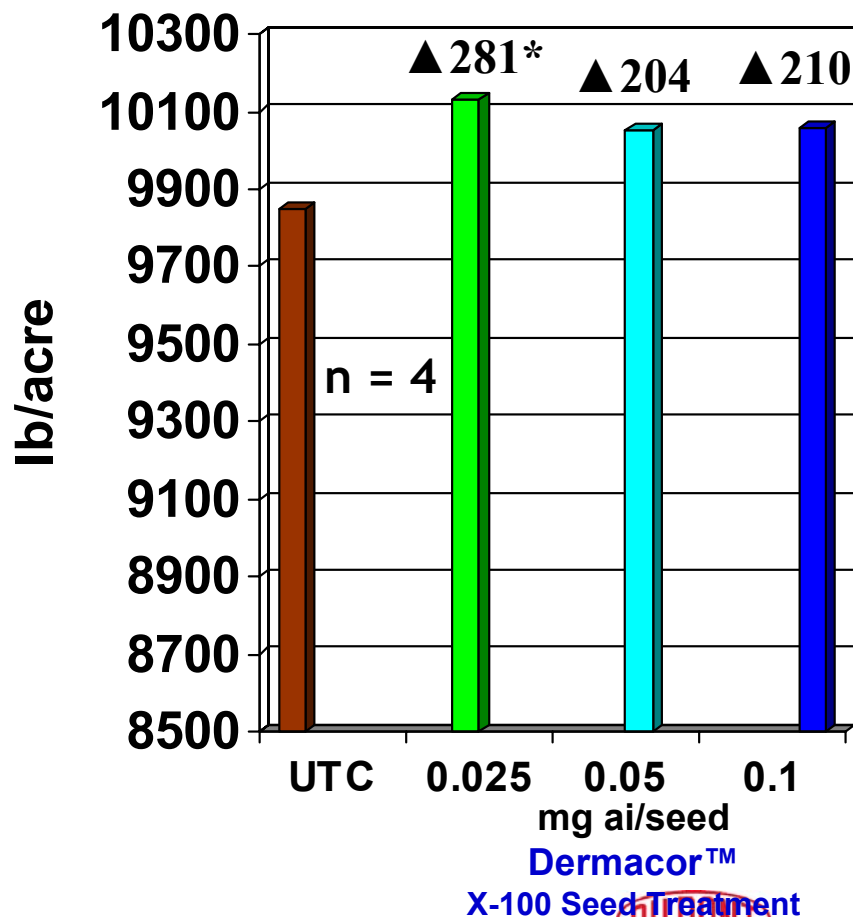
2007 Trials\*



Rice Water Weevil Control Based on Untreated Check



Rice Yield



\*Includes data from 4 trials from university investigators in TX, LA, and MS in 2007.

\*\*▲ = Yield increase over untreated check.



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**Thank You!**



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