Update on Herbicide Technology

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Paraquat Drift







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Early Paraquat Exposure







Early Paraquat Exposure

- Delay in rice maturity was 1.9 days for each week after emergence that exposure occurred.
- Rice yield reduction was 2.6 bushels/A for each day after emergence that exposure occurred.



Late Paraquat Exposure





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Late Paraguat Exposure Rice yield affected by exposure to sub-lethal concentrations of paraguat late in the season



Injury 28 DAT

1-INCH IE

3-INCH IE

NONTREATED

5-INCH IE

Reproductive Timing Study

Rough rice yield following exposure to a sub-lethal concentration of paraquat at different stages of reproductive growth



Data: Tameka Sanders

Rice Tolerance to Loyant











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Rice Tolerance to Loyant Rice injury 28 days following sequential treatment with Loyant at twice the labeled rate













Rice Tolerance to Loyant



Poor Grass Control

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Nontreated

Glyphosate-22 OZ + Command

Glyphosate-22 OZ + Flexstar

Weed Control with Loyant Barnyardgrass control 10 days after flooding

Weed Control with Loyant

Command fb RebelEx fb Loyant

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Difference in barnyardgrass control 14 days after early-POST applications

*All treatments contained Provisia at 15.5 FL OZ/A.

TETATE

Difference in barnyardgrass control 14 days after early-POST applications

*All treatments contained Provisia at 15.5 FL OZ/A.

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Weed control 14 days after sequential preflood applications of Provisia at different rates

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Data: Tameka Sanders

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Questions?

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