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FIELD REPORT

REPORT SUMMARY

REPORT DATE	FIELD NAME	PREPARED BY
05/06/2024	Jackson County	Matthew J. Davis

NOTES

Rinde 22 to 36 oz/A. Must use proper adjuvants. (It appears to be a good product for a tough barnyard. This product contains the AI of Regiment and Facet L. Use Caution.)

bispyribac + quinclorac @ 0.021 to 0.034 + 0.258 + 0.422 lb/A Barnyardgrass, broadleaf signalgrass, smartweed, several other broadleaves.

See label for recommendations. Early postemergence, 3-lf rice to pre-flood. Prior to 7 days before panicle initiation (PI) or yield loss may occur. Do not exceed 36 oz/A per year. Do not drift onto susceptible crops; follow Arkansas State Plant Board recommendations.

The weather was perfect up until last week, with .50" rainfalls and working days in between. The weather now seems to be gearing up to be severe, with excessive rainfall. Pest escapes can become more common. Residuals will be your friend in this pattern of weather. It would be highly recommended if you could get a residual overlay ahead of the rain. Refer to MP44 and Product Label for proper guidance.

Fertility

Foliar Fertilize Products. Typically speaking, for a fertilizer applied foliar to give benefit, there would need to be a deficiency present. We have done a few on-farm programs that have been successful, but research does not always support these applications or products. See article from 2016

<https://www.uaex.uada.edu/counties/craighead/2016%20Research%20lacking%20to%20back%20claims%20for%20foliar.pdf>

If there is a product you are interested in using, we are always happy to help evaluate it. Each farm is unique in its own production practices.

Master's Paper covering foliar feeds in North Carolina. Soybean Production.

<https://vtechworks.lib.vt.edu/server/api/core/bitstreams/7cad78cf-92b4-4d23-8b0d-95b5b7ce8b35/content>

Corn Nutrient Uptake Curve

<https://www.uaex.uada.edu/publications/pdf/mp437/chap4.pdf>

Key takeaway: Tissue sample on a regular basis and maximize applications to give the most impact based on plant nutrient uptake curve.

Hot Topic Item

I have received additional calls over biochar throughout the year. Here is some background information, but currently, Biochar is being evaluated as a soil amendment.

<https://www.uaex.uada.edu/publications/pdf/FSA2196.pdf>

Keep Track

USE CORN DD50- Tracks and alerts you to crop needs. <https://corndd50.uada.edu/>

USE RICE DD50 -Tracks and alerts you to crop needs. <https://dd50.uada.edu/>

PEST

TYPE	% DAMAGE	SPRAY Y/N	INSECTICIDE	NOTES
Cutworm	25	Based on threshold Treat when infestation threatens to reduce stand to less than 4-6 plants per row foot. (soybean) Cutworm pressure is higher when planting into a cover crop. Consider increasing seed treatment rates when planting directly into a cover crop (corn)	lambda-cyhalothrin (R)	Some cutworms in the county. Corn/Soybean both affected.
Rice Billbug	0	N	N/A	This is when you may see Billbug migrating into fields or emerging.
Other Pest	10	N	N/A	I have seen a few other leaf feeders. There is nothing to be concerned about. In the past, we have seen flashes of caterpillars around this time, but not so far.

WEED

TYPE	% POSITIVE CHECKS	SPRAY Y/N	HERBICIDE	NOTES
Barnyard	50%	Y	Use Specified by Crops	Residuals Residuals Residuals Rainfall is quickly promoting emergence. Remember, most salvage options have a minimum effect when

				temperatures reach 90 + degrees.
Pigweed	100%	Y	Use Specified by Crops	Residuals Residuals Residuals
Sedges	100%	Y	Use Specified by Crops	Residuals Residuals Residuals A lot of sedge activity, especially rice. Gambit is a good option early (mindful of neighbors). Permit Plus, Basagran(ALS resistant), or other sedge material. White Margin sedge has not been reported to my knowledge in Jackson County but will eventually find a home here. Hard to control.

DISEASE

ISSUE	SPRAY Y/N	FUNGICIDE
Seedling Disease	N	N
Suspected Herbicide Injury (Often mistaken for disease)	N	N
Hydrogen Sulfide Toxicity	N	See https://arkansascrops.uada.edu/posts/disease/rice-hydrogen-sulfide-toxicity.aspx
Zinc Deficiency Rice (Often mistaken for disease)	Y	Use Guidance Below https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/rice/Rice-Management-Guide.pdf