

## OBJECTIVE

To assess the yield response of a foliar spray of Fertileader Gold at panicle initiation (R0) on total (main + ratoon) crop of rice.

### Site Location:

Crowley, LA

### Researcher:

H. Rouse Caffey Rice Research Station  
Louisiana State University

## STUDY INFORMATION

Planting Date	23-Mar-2016
Harvest Date	9-Aug-2016
Variety	CL 153
Population	33 seeds/ft <sup>2</sup>

## TIMAC AGRO PRODUCT



## KEY FINDINGS

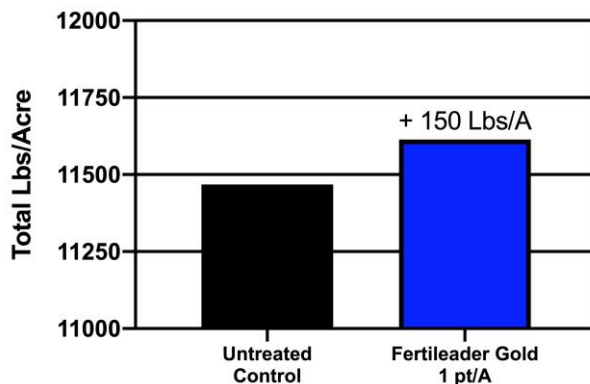
**+150 lbs/ac**

More than untreated control

**ROI: \$12.22/ac**

**Graph:** Foliar spray of Fertileader Gold improved yield 150 lbs for total (main + ratoon) crop. The Gross Revenue above was calculated at \$12.50/cwt for rice with Fertileader Gold retail cost of \$48.25/gallon.

Rice Yield Response from Foliar Spray of Fertileader Gold at Panicle Initiation (Crowley, LA)



## APPLICATION

Treatment	Application Rate
Control	N/A
Fertileader Gold	1 pint/A

## MATERIALS AND METHODS

This study was conducted in a grower field with conventional tillage practices on a Crowley silt loam soil type. Recommended amounts of P & K fertilizer were applied at planting to address soil nutrient levels. The experimental design was a randomized complete block with 4 replications. Plots consisted of four 4.67 x 16 ft blocks, with row width at 8" and rows per plot at 7". Seeding population was 33 seeds/sq ft, and CL 153 was planted on March 23. Uniform seed treatments of Dithane (fungicide), Release (gibberellic acid), Zinc Plus (10% Zn, 4.6% S) & AV-1011 (bird repellent) were used for both control and treatment. IPM measures were also uniform across control and treatment. N fertilizer (urea) was applied 10 days pre-flood on May 5. Water was managed with flush on April 11, flood on May 6 and drained on July 20. Plots were allowed to mature and harvested on August 9. Whole plots were harvested to calculate the lbs/acre on the main crop and ratoon crop for a total yield result. Milling percentage was also measured for control and treatment on main crop.

## RESULTS AND CONCLUSIONS

Foliar spray of Fertileader Gold (1 pint/A) at panicle initiation improved rice yield over untreated control by 150 lbs/acre. This resulted in a ROI of \$12.22/acre.

## RETURN ON INVESTMENT

Treatment	Total Yield – Main + Ratoon (lbs/ac)	Gross Revenue @ \$12.50/cwt	Change from Control	Added Costs/ac	ROI	Milling % Main
Control	11468	\$1433.50	-	\$0.00	-	72.77%
<b>Fertileader Gold (1 pt/A)</b>	<b>11614</b>	<b>\$1451.75</b>	<b>\$18.25</b>	<b>\$6.03</b>	<b>\$12.22</b>	<b>73.18%</b>

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