

OBJECTIVE

To assess the yield response of a foliar spray of Fertileader Axis with herbicide application at V2-V3 on total (main + ratoon) crop of rice.

Site Location:

Crowley, LA

Researcher:

H. Rouse Caffey Rice Research Station
Louisiana State University

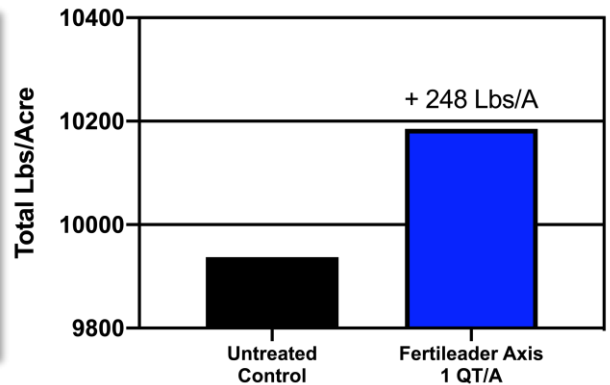
STUDY INFORMATION

Planting Date	13-Mar-2020
Harvest Date	3-Aug-2020 2-Nov-2020
Variety	CL 153
Population	33 seeds/ft ²

TIMAC AGRO PRODUCT



Rice Yield Response from Foliar Spray of Fertileader Axis at V2-V3 (Crowley, LA)



KEY FINDINGS

+248 lbs/ac

More than untreated control

ROI: \$21.16/ac

Graph: Foliar spray of Fertileader Gold improved yield 150 lbs for total (main + ratoon) crop. The Gross Revenue above was calculated at \$13.50/cwt for rice with Fertileader Axis retail cost of \$49.25/gallon.

APPLICATION

Treatment	Application Rate
Control	N/A
Fertileader Axis	1 Quart/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 immediately following 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 13. Uniform seed treatments of fungicides (Apron, Maxim), gibberellic acid (Release), bird repellent (AV-1011), and Zinc Plus (10% Zn, 4.6% S) were used for both control and treatment. IPM measures were also uniform across control and treatment. N fertilizer (urea treated with uniform urease inhibitor) was applied 10 days pre-flood on April 19. Water was managed with flush on April 6, flood on April 24 and drained on July 13. Plots were allowed to mature, with main crop harvested on August 3 and ratoon crop harvested on November 2. Whole plots were harvested to calculate the lbs/acre on the main crop and ratoon crop for a total yield result.

RESULTS AND CONCLUSIONS

Foliar spray of Fertileader Axis (1 Quart/A) at V2-V3 improved rice yield over untreated control by 248 lbs/acre. This resulted in a ROI of \$21.16/acre.

RETURN ON INVESTMENT

Treatment	Total Yield – Main + Ratoon (lbs/ac)	Gross Revenue @ \$13.50/cwt	Change from Control	Added Costs/ac	ROI
Control	9937	\$1341.50	-	\$0.00	-
Fertileader Axis (1 QT/A)	10185	\$1374.97	\$33.47	\$12.31	\$21.16

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