

# **THE EFFECT OF BRASSINOLIDE TO GROWTH AND YIELD OF IR50404 RICE VARIETY AT THOAI SON DISTRICT, AN GIANG PROVINCE**

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## **Summary**

The objective of this research was conducted to evaluate the effect of Brassinolide (BRs) to growth and yield of IR 50404 rice variety in field conditions. Field experiment was carried out in a randomized complete block design (RCBD) with 4 treatments and 4 replicates. The indicators were collected in experiments such as growth, leaf color, yield and economic efficiency. Results showed that BRs have increased rice germ root length higher than untreated BRs, but did not increase the germination and chlorophyll index on rice IR 50404. Speed increased plant height and buds when BRs treated for rice plant from 3 to times higher than untreated BRs during rice growing period. BRs made extra length panicle 7.22% compared to untreated controls. The treatments with BRs were yield and economic efficiency higher than untreated BRs, specially treated BRs 4 times/season was the highest. Economic efficiency was the highest when treated with BRs 4 times /season with margin was 1.12.

*Key word: Brassinolide, growth and yield of rice IR 50404, Thoai Son, An Giang.*