

**DOSE AND TIME OF APPLICATION EFFECT
OF PENOXsulAM + BUTACHLOR HERBICIDES
ON WEED CONTROL, GROWTH AND YIELDS
OF RICE PLANTS (*Oryza sativa* L.)**

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ABSTRACT

This research aims to determine the right mixture dose and time of application of combination herbicide penoxsulam and butachlor to control weeds. The method used in this research is a field experiment with the design used was a Complete Randomized Block Design Factorial consist of 3 x 4 + 1 factors. The treatments were a combination mixture of herbicide penoxsulam and butachlor herbicide comparison is TiGold 10 WP, which is a factor of 1 dose of herbicide mixture penoxsulam and butachlor at a dose of 1000 ml/ha, 1250 ml/ha and 1500 ml/ha, and a factor of 2 when herbicide application , namely 1 dap, 3 dap, 5 dap and 7 dap. Application of research results penoxsulam and butachlor herbicide mixture on dose and time of a specific application provides control percentage greater than 90% of rice crops weeds and provide the highest yields in rice crops.

Keywords: Rice, weeds, herbicide mixture, penoxsulam, butachlor, TiGold.