

## Pre-Verification Trial of Bastnate plus Herbicide against Weeds in Coffee (*Coffea arabica* L.) at Jimma, Southwest Ethiopia

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### Abstract

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### Materials and Methods

The trial was conducted in 2022 at Jimma Agricultural Research Center, Jimma, Southwest Ethiopia. The experimental design was a randomized complete block design with three replicates. The treatments were: (1) Control (0.5 L/ha), (2) Bastnate (1.5 L/ha), (3) Bastnate plus herbicide (1.5 L/ha + 50% herbicide). The herbicide used was glyphosate. The trial was conducted in a coffee plantation with a density of 30 plants/ha. The data were analyzed using ANOVA. The results showed that the Bastnate plus herbicide treatment significantly reduced weed biomass compared to the other treatments. The control treatment had the highest weed biomass, followed by the Bastnate treatment, and the Bastnate plus herbicide treatment had the lowest weed biomass. The herbicide application significantly reduced the weed biomass in the Bastnate plus herbicide treatment compared to the Bastnate treatment. The results of the ANOVA are presented in Table 1.





Citation:

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... (+50%) ...  
... 24.4% - .5%, 2.15% - .2% ...  
... 3.2% - .4% ...  
... 3 0 ...  
... 1.5 L ...  
... 3 0 ... (1 L) ...  
... 50% (0.5 L) ...

**Effect of herbicide on general weed control**





Citation:

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