ABSTRACT

EFFICACY TEST OF Pseudomonas fluorescens BACTERIA
ON SWEET CORN FILOSFER AGAINST DOWNY MILDEW
IN THE FIELD

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One of the downy mildew control on corn crop currently being done is biological control using Pseudomonas fluorescens. This experiment was aimed to evaluate the efficacy of P. fluorescens on fylosfer (leaf surface) of maize plants in controlling downy mildew in the field. The experiment was arranged by randomized block design (RBD) and consisted of 4 treatments i.e., control, Pf1 isolate, Pf2 isolate, and Pf3 isolate with three replicates. Data were analyzed with ANOVA and followed by Duncan test at 5% level. The results of experiment showed that the application of P. fluorescens (Pf1, Pf2, and Pf3) did not effect on the incidence of downy mildew on corn.