

Abstract:

The present study was conducted to evaluate the effect of the application of the biofertilizer *Trichoderma reesei* on the growth and yield of the maize plant. The experiment was conducted in a randomized complete block design with three replicates. The treatments were: control (no biofertilizer), 10% biofertilizer, 20% biofertilizer, and 40% biofertilizer. The results showed that the application of the biofertilizer significantly increased the growth and yield of the maize plant. The highest yield was obtained with the 40% biofertilizer treatment, which was 15.2% higher than the control. The application of the biofertilizer also increased the number of roots per plant, the length of the roots, and the diameter of the roots. The results of this study indicate that the application of the biofertilizer *Trichoderma reesei* is an effective method for increasing the growth and yield of the maize plant.