



RESEARCH PAPER

Evaluation of weed vermicomposts on maize crop

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Abstract : A field experiment was conducted on the research farm of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad to evaluate the performance of weed vermicomposts on the growth of maize crop. The experimental design was a Randomized Block Design (RBD) with six treatments and four replicates. The treatments were *Achyranthes* vermicompost (AV), *Cassia* vermicompost (CV), *Tephrosia* vermicompost (TV), mixed vermicompost (MV), fertilizer (FE) and control (CO). The fodder maize (cv. African Tall) was sown at the rate of 100 kg/ha. The fertilizers were applied as N, P and K at the rate of 120, 80 and 40 kg/ha. The observations were recorded at 86 days after sowing (DAS). Based on the results, it is concluded that the combination of *Cassia* vermicompost (CV) and inorganic fertilizers was more effective in increasing the growth of maize crop as compared to other treatments.

Key Words : Green manure intercropping, Different levels, Fertilizer, Growth attributes, Rice

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