BIOPRIMING AND INTEGRATED MANAGEMENT OF MAJOR DISEASES OF SESAME

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Abstract: Sesame (Sesamum indicum L.) is one of the important oilseed crop grown widely under tropical and subtropical regions in India. Diseases pose a major constraint in sesame cultivation that leads to yield loss. Various modules were evaluated for the management of major diseases in sesame. From the results, it was found that the module comprising of seed treatment with Trichoderma asperellum @ 10 g/kg, furrow application of enriched Trichoderma (2.5 kg Trichoderma sp. + 100 kg Vermicompost) @ 250 kg/ha followed by foliar application of combi product (Tebuconazole 50% + Trifoxyrsbin 25%) @ 0.5 g/l at 30-35 DAS and second spray at 50-60 DAS significantly reduced the root rot, phyllody, Alternaria leaf spot and powdery mildew diseases. In addition to disease reduction, seed yield was also found to be enhanced in the effective module.

Keywords: Sesame, Diseases, Biopriming, Modules

REFERENCES


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