

**Research Article**

## **Distribution and Management of Banded Leaf and Sheath Blight in Maize caused by *Rhizoctonia solani* f.sp. *sasakii* in Southern Rajasthan**

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### **Abstract**

The objective of present study was to know the distribution and to evaluate bio-efficacy of different commercially available fungicide, bio-agents and nanoformulation for the management of banded leaf and sheath blight (BLSB) in maize. The disease has been observed from almost all maize growing areas in in Southern Rajasthan during *Kharif* 2020-2022. The treatment comprising combi-product Custodia (Azoxystrobin 11% + tabuconazole 18.30%) @ 0.2% + *T. viride* @ 2% + Neem based product @ 15% + nano formulation @ 50 per cent showed 8.14 PDI with grain yield of 1992 gm plot<sup>-1</sup> with gain of 160.53 per cent higher yield over control and this was followed by treatment comprising combi-product Custodia (Azoxystrobin 11% + tabuconazole 18.30% @ 0.3% + *T. viride* @ 2%) where 14.16 PDI was recorded with yield 1947 gm plot<sup>-1</sup> with gain of 154.61 per cent higher yield over control.

**Key words:** Bio agent, maize, management, nanoformulation, *Rhizoctonia solani* f.sp. *sasakii*

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