

Eco Friendly Management of Sorghum Turcicum Leaf Blight in Field Conditions

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ABSTRACT

A field experiment was conducted at Agricultural college farm, Bapatla during *rabi*, 2018-19 to study the efficacy of botanicals, cow based natural products and bioagents on leaf blight pathogen of sorghum. T5-*Trichoderma* (ST+ FS) + Panchagavya @15% (ST+FS) treatment was found most effective in controlling the disease even two weeks after second spray with the lowest PDI (18.89%) however, was found to be on par with all the other treatments except with T1-*Trichoderma* (ST+ FS) and unsprayed check. Maximum inhibition of 47.78% over control was observed in *Trichoderma* (ST+ FS) + Panchagavya @15% (ST+FS) with yield of 2388 kg ha⁻¹ with an increased yield (68.46%) and benefit cost ratio of 1.40.

Key words: *E. turcicum*, *Panchagavya*, *Sorghum*, *Trichoderma*.