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Effect of various adjuvants on growth and development of the entomopathogenic fungi *Nomuraea rileyi* (Farlow) Samson

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ABSTRACT

Studies on the effect of various adjuvants on growth and development of *Nomuraea rileyi* (Farlow) Samson was undertaken with a view to select suitable adjuvant for developing formulation. It was revealed that the *N.rileyi* formulations with combination of adjuvants helped in increasing production of fungal biomass at 10 DAI. Based on the results it is concluded that the overall performance of the adjuvants for growth and development of *N.rileyi* in series of lab experimentation out of 96 test formulations. 10 formulation comprising 1) *N.r.*+HO (1%), 2)*N.r*+SFO(1%), 3) *N.r.*+GH(0.5%), 4) *N.r.*+TW(0.5%)+ GH(0.5%), 5)*N.r.*+GLY(2%)+SFO(1%), 6)*N.r.*+ GLY(2%)+GH (0.5%), 7) *N.r.*+SFO (1%)+GH(0.5%), 8)*N.r.*+TW(0.5%)+ GLY(2%)+ SFO(1%) + CMC (0.5%), 9) *N.r.*+ TW(0.5%)+GLY(2%)+HO (1%) and 10) *N.r.*+TW (0.5%) + GLY (2%) + CMC(0.5%) were emerged out as most promising and advanced stage formulations of *N. rileyi.*

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