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Artificial Production of Myceria of Entomopathogenic Fungi Species by using Soybean as Host Medium

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This study was carried to establish the production methods of mycelia of the entomopathogenic fungi, *Cordyceps militaris*, *Paecilomyces tenuipes*, and *Paecilomyces spp.* on the host media of several soybeans. The mycelia of entomopathogenic fungi showed optimal growth at 26℃~28℃, 90~95% R.H. without host (soybean) and germ line specificity. On the other hand, *Cordyceps militaris* grew well under the photoperiod of 24L (illumination of 24 hours), but the germ lines *Paecilomyces tenuipes* and *Paecilomyces spp.* showed best growth under the photoperiod of 6L18D (illummination of 6 hours and darkness of 18 hours per day). From these results, all the germ lines of 3 fungi did not show species-specificity in culture temperature and humidity during artificial cultivation of soybean mycelia, but showed the photoperiod specificity in during the processing.