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The Existence of Beauveria bassiana in the Third Generation of Corn Seedling

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Abstract : The fungus Beauveria bassiana can be endophytic in maize. The fungus was recovered in culture from stems, leaves and roots after a month planting. This phenomenon was shown until the third generation of the corn. The result from laboratory shows that B. bassiana appear in F1, F2 and F3 in order 70, 80 and 90% in the roots, 80% in the stems in all generation, 90, 80 and 70% in leaves. In CFU's ml-1 of B. bassiana in corn seed, show F1 was 8.9 x 106, F2 was 8.1 x 106 and F3 was 7.8 x 106. The research showed that B. Bassiana as endophyte still remain to the third generation. Innovation to the corn seed which is endophyte seed is essential to protect from the attack of corn borer and to avoid the usage of insecticide.

Keywords : endophytic, recovered, third generation, Beauveria bassiana
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