

Title	Investigation of Alternative Management Methods Against Green Mold (<i>Trichoderma</i> spp.) Disease in Mushroom Cultivation
Number	-
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Abstract: More than half of the mushroom production of the Turkey has been covered by mostly small-scale mushroom farms and some big-scale farms in the Korkuteli county. However, In recent years, it has been stated that green mold disease affects production adversely and growers use some non-recommended pesticides against this disease and MRL values in samples taken has frequently been over the desired ones. In this regard, determining inoculum sources of the disease and taking necessary management precautions against the disease are important in terms of gaining more yield from unit area and quality products which are high marketing value. With this aim, the research will be conducted in some mushrooms farms in the Korkuteli county between 2017 and 2019. In the study, primarily samples of various compost and surface soil will be analysed in terms of green mold disease. Morphological and molecular methods will be used for identification of the disease agents isolated purely. In management studies, alternative management pathways against the disease will be investigated by treating rented mushroom facilities, compost and casing soil with various compounds having disinfectant or antimicrobial traits.

In addition, absence of enough study in the field of establishment of green mold disease from the production materials and management makes a serious gap in this field. With this research, it is targeted that It will be relieved the suffering in this field and be formed convenient management guide for mushroom growers by determining the disease causing trouble for mushroom cultivation both prior to production and during the production and forming management strategies.