

Title	Determination of Disease and Pests Causing Trouble for Artichoke Cultivation in Antalya Province and Investigation of Management Practices
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Abstract: Artichoke, perennial and native to Mediterranean Basin, is extremely suitable for being growing in the ecology of Antalya and has high nutritional value and various usage fields. Artichoke production in Turkey is done as vegetative. Artichoke plant multiplying with newly-emerging shoots from the tuber buds is below the soil for years and thus can be exposure to soilborne and airborne diseases and pests during vegetation periods. In this regard, diseases and pests may cause to yield losses and poor quality crop by damaging to root, tuber, root-crown, leaf, stem and head of the artichoke plant.

Determination of diseases and pests leading to problems for the artichoke cultivation and taking necessary management measures are important in terms of getting the more crop per unit area and high quality crop for marketing. For these aims, the present research will be carried out in the locations of Antalya, where artichoke cultivation are done, between 2016 and 2018. In the study, with the surveys, isolations are going to be conducted by taking samples from the plants displaying disease symptoms and pests. The pathogens (fungi, bacteria, etc.) isolated are going to be identified according to their morphological features and their pathogenicities will be tested in the greenhouse conditions. Efficacy of some fungicides against the fungi detected as pathogens in consequence of the tests and existing frequently among the isolates are going to be established in the greenhouse conditions.

It is a serious gap that there has been no research on diseases and pests in artichoke cultivation in Turkey. Thus, filling the gap of this field by detecting diseases and pests causing problems for artichoke production and convenient management guide for the farmers growing artichoke have been aimed with the study.