

ABSTRACT

DISEASE INCIDENCE AND SEVERITY OF GRAY MOLD (*Botrytis cinerea*) AND POWDERY MILDEW (*Podosphaera aphanis*) on SOME STRAWBERRY CULTIVARS GROWN in AYDIN PROVINCE

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In this study it was discussed the problem of the severity of disease and availability rate of *Botrytis cinerea* and *Podosphaera aphanis* on some strawberry species that were grown in Aydın province. For that purpose the study was carried out on Festival, Sabrosa, Sabrina, Elyana, Rubygem, Sweet Charlie, Camarosa, Amiga, 503, Fortuna types within high tunnels that were formed 5 spouts in grower conditions. It was started to the countings on 07.11.2012 and they were ended on 27.05.2013. For The *Botrytis cinerea* the evaluations were carried out as and in the form of the sick and healthy fruit And countings of Corolla infections and at every 10 days there were done the countings on 30 marked plants. In the direction of the data(parameters) that were taken in the countings (%) septicity rate was given. Additionally, in Invitro conditions *Botrytis cinerea* is the main important problem and it was tried to evaluate the reactions of fruit types that were taken on the fruits against to the illness on purpose of evaluation in the fruits. In the *Podosphaera aphanis* illness, in the marked 30 plants, the ones that shows *Podosphaera aphanis* symptom were recorded. The findings that were acquired were evaluated and % septicity rate of the least effected strawberry kind/kinds from the illness were given. The most seen types of *Botrytis cinerea* illness are in order of Sabrosa, Camarosa and Festival and the least seen kinds are 503 and Fortuna. The *Botrytis cinerea* was evaluated on strawberry fruit infections Sabrosa and Camarosa are the types that were the most seen of the illness and Elyana and Festival types were followed them. The least seen kind of the illness is Amiga type. The *Podosphaera aphanis* was seen on Sabrina, Festival, Amiga, Rubygem kinds the most according to the other types. The type that was seen this illness is in order of Sabrosa and Sweet Charlie.

Key words: *Botrytis cinerea*, *Podosphaera aphanis*, Strawberry.