

## ABSTRACT

### INVESTIGATION OF VIRULENCE AND PRESENCE OF dsRNA ON *Leucostoma* spp. ISOLATES IN THE CHERRY PRODUCTION AREAS OF THE AEGEAN REGION

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*Leucostoma* (Cytospora) canker, economically important disease of cherry, causes the tree to die partially or completely. In studies conducted in different regions of our country is determined the presence of *Leucostoma* cancer on various stone fruit species. In studies in the United States the presence of dsRNA containing 2 isolates were detected in some *L. personii* populations. No study has been previously conducted in details on *Leucostoma* species presence of dsRNA isolates in Turkey. This study was conducted to determine *Leucostoma* species of the containing dsRNA isolates in the Aegean Region cherry field. This purpose in the Aegean region maximum cherry production made derived from trees in the area and *Leucostoma* spp. isolates possible dsRNA may be isolates applied to branches test and apples test was evaluated in terms of virulence. These test according to selected 26 isolates and dsRNA analysis was performed in three repeat and only identified dsRNA profile in 6 isolates. But at second repeat identified dsRNA profile only 3 isolates, third of these isolates dsRNA profile could not be seen again. These results confirm each other that during the process to be due to drying, freezing-thawing construction of a more detailed study is suggested.

**Key Words:** *Leucostoma* canker, *Leucostoma* spp., Cherry, dsRNA