

عنوان مقاله:

Effect of Air Pollution on Spread Velocity of Dutch Elm Disease

محل انتشار:

سومین همایش سراسری محیط زیست، انرژی و پدافند زیستی (سال: ۱۳۹۴)

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خلاصه مقاله:

The survival of some elms to Dutch elm disease (DED) epidemics could be related with the resistance to disease. To test this hypothesis, there is a significant difference between species (*Ulmus glabra*, *Ulmus carpinifolia* and *Zelkova carpinifolia*) which is cultivated in urban green space and named species cultivated outside the city. The present study aims to compare the number of hole which filled with tylose in given species at two different place (urban green space and outside the city). To do this, some samples were randomly collected from ۱۰ cm above the place of seedling's inoculation. The test results showed that there was a significant difference at ۱% probability level among the measured indicators in these three species. According to the result the maximum number of hole which is filled with tylose belonged to *U. carpinifolia* which is cultivate in urban green space where placed subject to air pollution

کلمات کلیدی:

Dutch elm disease, Hole, Tylose, Air Pollution

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