



The influence of temperature, relative humidity and rainfall on the occurrence of the Pine Wood Nematode in Góis Council, Portugal

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In this work, we propose to investigate the influence of the pine wood nematode in the species *pinus pinaster* in Góis council and the way it affects the economic activity in this region. In order to do that we are going to analyse the influence of temperature, relative humidity and rainfall in the development of the vector insect of the pine wood nematode. In a first stage we are going to do a homogenisation of the series of temperature and rainfall, since they present a significant lack of data. For that we have chosen a reference station that allows us to determine the correlation coefficient to eliminate the lacks that are present in the other series. After that we are going to do the correlation with the number of nematode episodes that occurred and evaluate the area affected for a single year.