

SURVEY OF SOIL-DWELLING PESTS AND COMPARISON OF CONTROL TECHNIQUES

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The aim of my research was to provide a comprehensive overview of current methods and technologies and to compare their effectiveness and applicability in different agricultural environments, in my case, in South-East Hungary, Békés county, to help orient myself in the range of soil disinfectants currently available on the market. The experiment was carried out in Battonya, with the help of Agrokemol Ltd. I set up 6 experimental plots in two replications. I tested 4 different soil disinfectants. No difference was found in the effect of the soil disinfectants. What I observed in the preliminary field inspection and survey of my experiment, namely, no insect was found in the field, was confirmed by the inspection and results of the plots set up. In general, the application of a control technology should always be based on predictions and a survey of the area. Comparing pest control techniques and analysing their effectiveness is key to the sustainability and efficiency of agricultural production. The control of polyphagous soil-dwelling pests is of particular concern as these pests can attack a wide range of crop species, thus posing a more complex challenge for farmers. I described and investigated some of the soil-dwelling pests and the climatic factors affecting their populations, global weather variability, and the effects of rainfall deficits.