

Aromatogram Test to Control Aphis Fabae Using Essential Oils of Mentha rotundifolia

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Abstract : Essential oils derived from aromatic or medicinal plants have recently proven useful in a variety of fields, including the production of medicines, perfumes and foodstuffs. The purpose of this research is to determine the insecticidal activity of essential oils extracted from Mentha rotundifolia species against Aphis fabae. The bioassay used to determine essential oils toxicity to pest insect Aphis fabae revealed a very high effective repellent. The effects with concentrations of 100% and 30% were found to be statistically significant ($F=64.800$, $P<0.0001$) with an average of 7.66 and 7, respectively. According to the findings, the plant under consideration is promising as a source of natural pesticides and lends itself well to research in the field of pest control using biochemical alternatives.

Keywords : pest, mentha, effective, biocontrol, repellent

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