



The Impact of Deltamethrine on Copper and Zinc Content in Oriental Tobacco and Soil

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Pyrethroid pesticides are substances of intense interest for use in tobacco protection because of their desirable environmental properties of short persistence and nontoxicity to mammals. These features combined with their broad spectrum of pesticidal activity have made the pyrethroids alternatives to the older organochlorine compounds and the natural pyrethrins. The main aim of this investigation is to study the impact of different deltamethrine concentrations on Cu and Zn content in different organs of oriental tobacco and soil. Field experiment was carried out with one untreated control, with recommended dose and 30%, 50%, 70%, 100% increased dose. According to our findings we can conclude that content of Cu and Zn in the plant material is higher in the samples with recommended dosage of deltamethrine compared to the untreated variant. Except for recommended dosage, almost all investigated samples differ in the content of both tested elements and are uneven regarding the treated variants.

Keywords: Deltamethrine, oriental tobacco, soil, copper, zinc