

Influence of the Herbicide Tribenuron-Methyl on the Structure of the Hover Fly Community (Diptera: Syrphidae) in a Wheat Ecosystem

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Abstract: The influence of the herbicide tribenuron-methyl on the structure of the hover fly community in a wheat ecosystem was investigated through quantification of basic population and community parameters. The species composition, the population density of each species, the total average density, the dominant structure, and the indicators of the species structure of the hover fly community were studied. The used by us indices in the investigation show a deterioration of the ecological situation for the syrphid cenosis in the field immediately after herbicide treatment.

Key words: herbicide, tribenuron-methyl, Granstar, Syrphidae, Diptera