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# Overview of knowledge of hoverfly decline (Diptera: Syrphidae) in Germany

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## Abstract

Since Hallmann's study on insect biomass decline in 2017 hoverflies from a series of six Malaise traps served as example how closely related biomass decline is to species and abundance decline (Hallmann et al. 2021). Additional results from other trap series of northwest Germany are now available, however the degree of decline shows marked regional differences. New results from other Federal research projects such as DINA and a research project in Bavaria give additional insights in hoverfly decline. Major reasons are attributed to modern agriculture with pesticides and large intensive monoculture. The overview will include a short comparison of major threats identified by the German and the EU Red lists.

**Keywords:** Syrphidae, decline, Germany, Red list status

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