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*Zoom Meeting – Access via StudIP*

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**Pesticides and their impact on terrestrial biodiversity**

Glyphosate, Neonicotinoids, bee decline and insect armageddon are terms that arrived in public discussions and gained political importance regarding developments of future agricultural systems.

Pesticides are a strictly regulated and well-researched group of chemicals. How is it possible that these chemicals are still associated with negative environmental effects? On the basis of mostly my own research I will give an overview of effects of pesticide use on various groups of terrestrial animals and plants. The situation in a wine-growing region with its high levels of pesticide applications is highlighted and deficiencies in the EU regulatory pesticide approval process are addressed.

To increase awareness about the declines of biodiversity in German agricultural landscapes I was able to participate in a working group of the German Academy of Sciences with researchers from different fields to evaluate the current situation. The report goes beyond pesticides but might be a suitable background information for all interested in the subject.

