

From 61 to 130 species: an updated checklist of the Thysanoptera of Thuringia, Germany



130 species 4 families 13,895 specimens 1,398 occurrence records

INTRODUCTION

The thysanopteran fauna of Thuringia has not been comprehensively reassessed for more than four decades. Historical records are scattered across several publications and partly refer to areas extending beyond present-day state boundaries. Extensive recent collecting has produced substantial new material. This study combines critically reassessed historical records with recent records to provide an updated checklist and a clearer picture of the regional distribution of Thysanoptera in Thuringia.

MATERIAL & METHODS

Historical records · 1951–1981

Historical literature was critically reassessed in light of current taxonomy and present-day state boundaries. Only records reliably attributable to Thuringia were included.

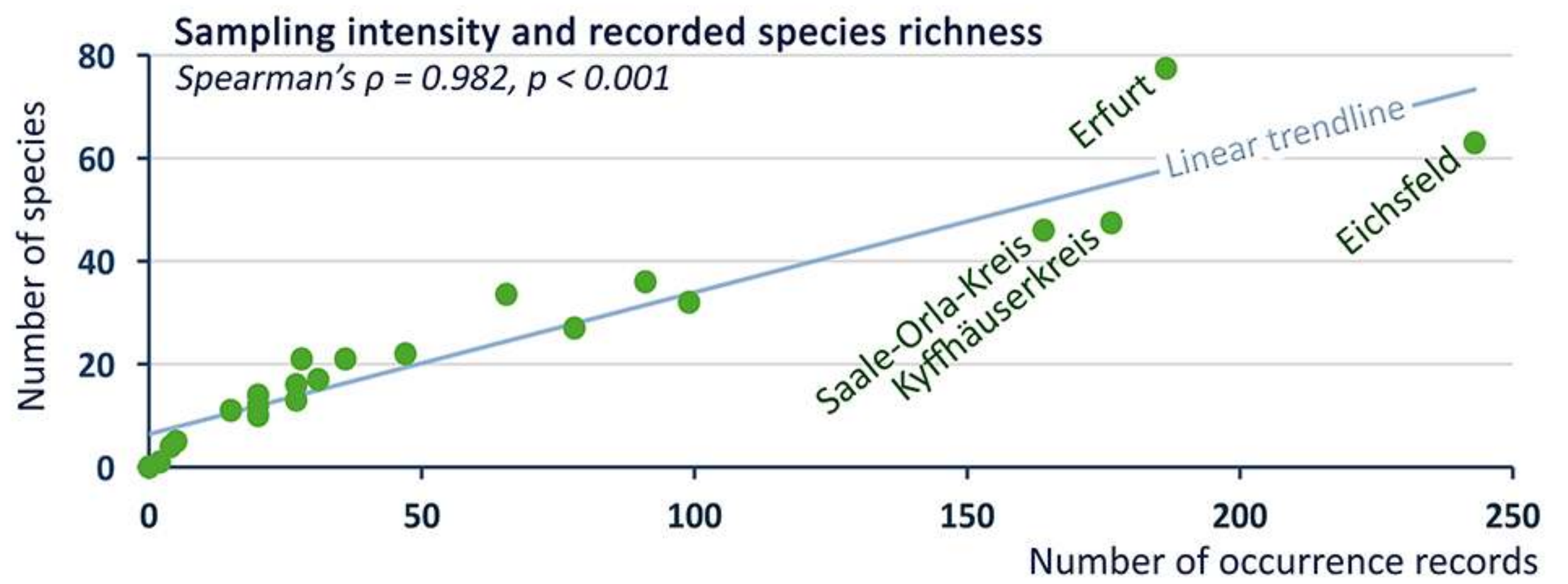
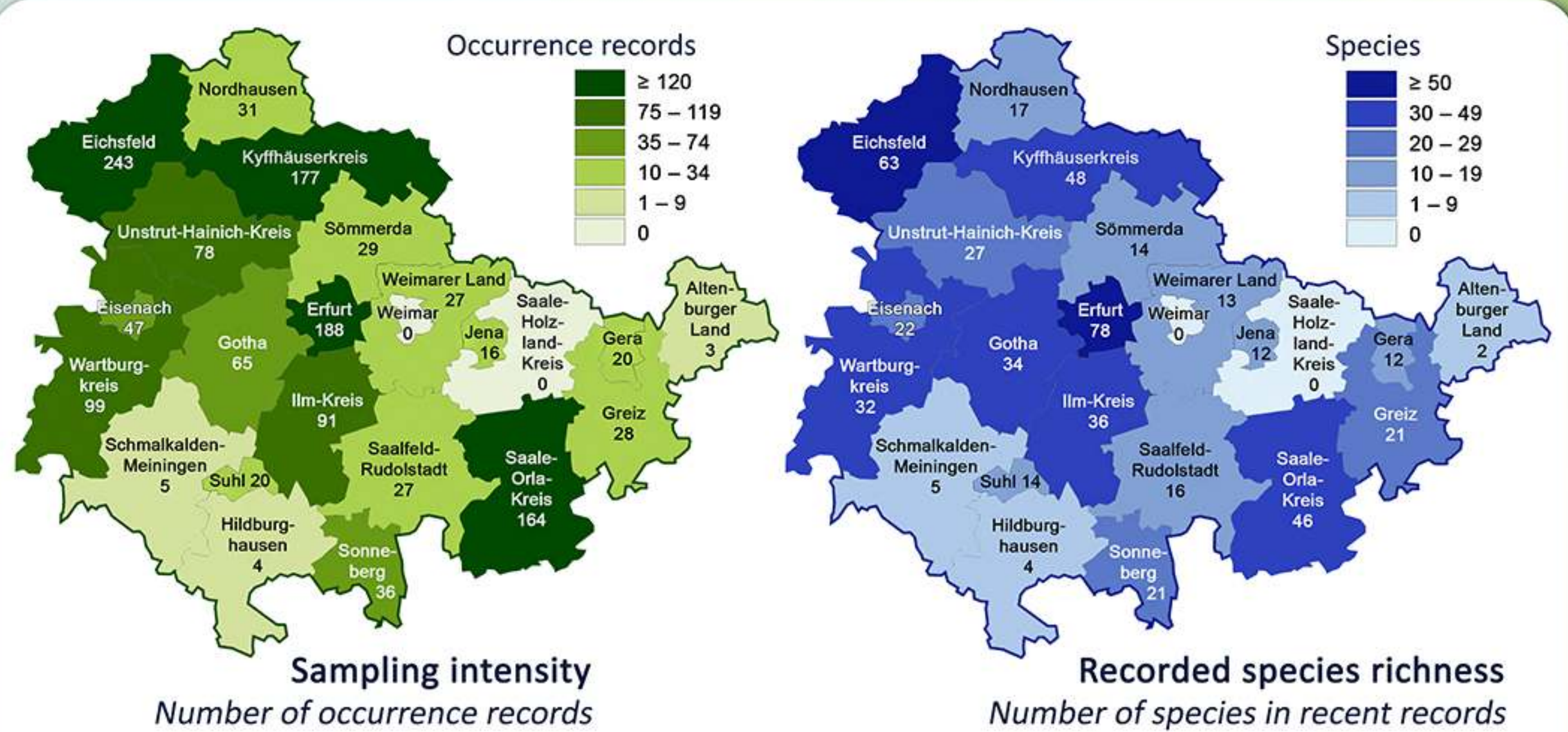
Recent records · 1998–2026

In total, 13,895 specimens from targeted collecting and various traps were examined. All material was identified morphologically by the author.

Spatial analysis

The recent data comprised 1,398 occurrence records. Sampling intensity and recorded species richness were analysed for 23 administrative units, and their relationship was tested using Spearman's rank correlation.

RESULTS



A total of 130 species belonging to four families are currently recorded from Thuringia. Historical sources document 61 species. Of these, 51 were confirmed by recent records, while a further 69 species are known exclusively from recent records. Sampling intensity differed markedly among administrative units and was strongly correlated with recorded species richness (Spearman's $\rho = 0.982$, $p < 0.001$).

NOTABLE RECORDS



Thorybothrips unicolor



Thermothrips mohelensis



Sophiothrips terminalis



Oxythrips halidayi



Tylothrips osborni

First records for Germany

New to Thuringia; second records for Germany

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SELECTED REFERENCES

Schliephake 1965; Schliephake & Klimt 1981; zur Strassen 2011; Ulitzka 2019, 2021, 2024; Ulitzka & Graczyk 2022.

