

Overview update results Möhring et al. (2025)

We encountered a coding error in the anonymization of the non-anonymous data for our analysis in Möhring et al. (2025). Due to the coding error, duplicates of entries with identical geographic coordinates were introduced in the data. This reduces the sample size from 517 to 473.

This file replicates the results in Möhring et al. (2025), using the openly accessible replication code (<https://doi.org/10.60507/FK2/FE09XJ>.) and the updated dataset of Möhring et al. (2025).

In the file, we further compare results of the original and updated dataset and show that there are no changes in results or conclusions.

Both datasets, the original and updated, are available in the repository.

Original and updated results are thus fully replicable based on the open code and data.

Refers to: Möhring, N., Ba, M.N., Braga, A.R.C. *et al.* Expected effects of a global transformation of agricultural pest management. *Nat Commun* **16**, 10901 (2025). <https://doi.org/10.1038/s41467-025-66982-4>.

Overview content:

The file shows a table comparing original and updated results.

Section A: Overview comparing original and updated results

Result	Comparison
Table 1 updated	All conclusions remain the same; No change
Figure 1 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Figure 2 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Figure 3 updated	All conclusions remain the same; No changes in direction of coefficients; Minor changes in significance of individual coefficients.
Table 2 updated	All conclusions remain the same; Almost no change in absolute values: means of the 24 indicator variables only deviate by 2% on average.
Supplementary Materials	
Supplementary Table 1 updated	All conclusions remain the same; Most CVs remain exactly the same; Minor absolute changes between $ 0.01 $ - $ 0.03 $ in individual CV values.
Supplementary Table 2 updated	All conclusions remain the same; No notable changes in sign, magnitude or dimension of correlations; Minor absolute changes between $ 0.01 $ - $ 0.05 $ in individual correlation values.
Supplementary Table 3 updated	All conclusions remain the same; No change in direction of coefficients; Minor changes in significance of individual coefficients.
Supplementary Table 4 updated	All conclusions remain the same; No changes in relative distributions of answers.
Supplementary Fig. 1 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Supplementary Fig. 3 updated	All conclusions remain the same; No changes in shapes of distribution; Lower sample size leads to lower density.
Supplementary Fig. 4 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Supplementary Fig. 5 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Supplementary Fig. 6 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Supplementary Fig. 7 updated	All conclusions remain the same; No visible changes; See Table 2 updated for descriptive statistics.
Supplementary Fig. 8 updated	All conclusions remain the same; No changes in significant differences/equality between measures.

Supplementary Fig. 9 updated	All conclusions remain the same; Distribution between continents even more equal now; Figure shows that the overwhelming majority of duplicates where in Europe, which is already oversampled.
Supplementary Fig. 10 updated	All conclusions remain the same; No visible change in relative distributions; See Table 2 updated for descriptive statistics.
Supplementary Fig. 11 updated	All conclusions remain the same; No visible change in relative distributions; See Table 2 updated for descriptive statistics.
Supplementary Fig. 12 updated	All conclusions remain the same; No visible change in relative distributions; See Table 2 updated for descriptive statistics.
Supplementary Fig. 13 updated	All conclusions remain the same; No change in direction of coefficients; Minor changes in significance of individual coefficients.
Supplementary Fig. 14 updated	All conclusions remain the same; No visible change in relative distribution; See Table 2 updated for descriptive statistics.