

## ***Interactive comment on “Influence of long-term mineral fertilization on metal contents and properties of soil samples taken from different locations in Hesse, Germany” by S. Czarnecki and R.-A. Düring***

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Dear Referee,

Thank you for giving us the opportunity to rearrange and correct our manuscript and we are thankful to your comments that helped us to improve the research article.

Here are the details of our responses to the suggestions: Page 244, lines 6-8: The sentence is deleted. Please see “Section 2.3 Statistics” in the corrected manuscript as

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a pdf file.

Page 244, line 10: The word “evidently” is removed from the manuscript. Please see “line 127” in the corrected manuscript as a pdf file. (in yellow highlighted)

Page 245, line 3: The word “conspicuous” is changed to “significant” in the manuscript. Please see “line 147” in the corrected manuscript as a pdf file. (in yellow highlighted)

Page 245, line 16: The word “affection” is changed to “effect” in the manuscript. Please see “line 161” in the corrected manuscript as a pdf file. (in yellow highlighted)

Page 247, lines 8-11: The sentence is corrected. “Analysis of variance (ANOVA) for determination of the main effect of each fertilizer variation on soil pseudo total and mobile (NH<sub>4</sub>NO<sub>3</sub> extractable) metal (Cd, Cu, Mn, Pb, and Zn) contents can be seen in Fig. 4 and Fig. 5.” Please see “lines 212-214” in the corrected manuscript as a pdf file. (in yellow highlighted)

Conclusion: The “Conclusion” section of the manuscript is corrected and rewritten.

Fertilizer metal content: We are thankful to your comments about the metal content of the fertilizers. But due to the long-term experiment, the fertilizers used from the beginning of the study are not accessible. But the effect of fertilization on the metal content of the soils can be clearly seen by the comparison of the control plots (non-fertilized 14 years long) with the fertilized plots.

Please also note the supplement to this comment:

<http://www.soil-discuss.net/1/C44/2014/soild-1-C44-2014-supplement.zip>

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