

Interactive comment on “Reduction Evaluation and Management of Agricultural Non-Point Source Pollutant Loading in the Huntai River Watershed in Northeast China” by YiCheng Fu et al.

Anonymous Referee #1

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This is an interesting paper and it has a good scientific soundness. I have some minor comments: Line 10-11 first should come full definition and then abbreviation. Line 34-35 – keywords should not duplicate what is already in the title: e.g. :Agricultural Non-Point Source pollutant loading, Huntai River Watershed. Figure 2 - it is difficult to read text in figures C and D and even more difficult to separate different land use types. I recommend to create them in a same size as B. If not enough space, then I would recommend enlarge them and add to the Supplementary. Secondly, I think that figure 2 title: "The figure was supplied by www.geodata.cn," is not relevant for the figure. I would recommend citing only www.geodata.cn or if needed be then adding some additional information to acknowledgments section. Line 146-47 – Buffer zones

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were defined as 1 km in both banks. But did you defined the width of the Buffers? Line 257 – ammonia is not both NH₃ and NH₄. Line 300 – check fig. 4 title, it seems to me that it is connected with main text. TP loading was reduced only by 10%. Many studies have shown that buffer strips are one of the most efficient measures to reduce P runoff from agriculture. Why is it so low?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-339>, 2018.

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