

Interactive comment on “Global Phosphorus Recovery for Agricultural Reuse” by Dirk-Jan D. Kok et al.

Dirk-Jan D. Kok et al.

dirkjan.k.1993@gmail.com

Received and published: 11 June 2018

My apologies to the anonymous referee, as my previous response was incorrectly posted as a 'short comment' - therefore not counting as an official rebuttal argument in the discussion thread and inhibiting closure of the interactive discussion. Please find a copy of the response below, should you have missed the initial 'short comment'.

"" 6. We agree that a globally homogenous labor wage of 17 [\$ /h] for a truck driver is very likely a too conservative estimate. We will run the model at lower wages (10-15) and see how this impacts the results. The original 17 [\$ /h] value is an informed estimate we made provided the absence of a global dataset on such labor wage per country or even per region. We had instead taken into consideration the wage indicators from the

C1

U.S. (c.a 20 \$ /h) (1), the Netherlands (c.a 30\$ /h) (2), and China (c.a 6 \$ /h) (3) (mostly from non-official sources). Hopefully the sensitivity analysis will provide meaningful insight on how the uncertainty around the chosen wage will affect the results.

7. We agree that defining our cost equations in terms of fixed and variable costs is an improvement to the comprehensibility of the price equations and therefore the study as a whole. We will be sure to adapt the text and formulas accordingly and to define more precisely also what is implied by resource costs (e.g. the MgCl₂ required for struvite precipitation). Thank you again for elaborating on these issues. We want to make sure the final manuscript is as clear as possible, especially provided the extent and complexity of the methodology.

(1): <https://www.bls.gov/oes/current/oes533032.htm>;

(2): <https://www.mijnzfp.nl/Beroep/608-Vrachtwagenchauffeur/Salaris-en-tarief>;

(3): <https://www.salaryexpert.com/salary/job/heavy-truck-driver/china>;

"" -Dirk-Jan Kok, 25 May 2018

We are again grateful for the referee's time and valid feedback, and we appreciate the effort made in helping to improve the manuscript.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-176>, 2018.

C2