Review of: "A Study for Estimation of Greenhouse Gas Emissions of Cotton in Central Greece"

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Potential competing interests: No potential competing interests to declare.

Article review of Mr. Vassilis Engonopoulos from the Agricultural University of Athens, Greece,

I consider the article: A Study for Estimation of Greenhouse Gas Emissions of Cotton in Central Greece, to be a particularly good contribution to understanding the impact of agricultural activities on greenhouse gases.

Regarding Materials and Methods used, they are appropriate for the stated objectives. The use of the Cool Farm Tool program sponsored by Unilever at the University of Aberdeen Scotland is an interesting tool and its results approximate reality in the generation of CO2 equivalent.

Comments:

In figure 4. We must understand why the total CO2e ha-1 emission data of all points under the value of 1650 are over the trend line, while at higher values the data are always below the trend line. Is correct this type of data distribution?

It should explain what causes exist for the greater use of fertilizers in the ELATIA area, it may be quality of the soil, lower humidity in the environment, etc.)

I would recommend analyzing the effectiveness of the use of fertilizers based on the characteristics of the soil, the plantations under treatment and the geographical conditions of each case under analysis.

Cool Farm Tool is a theoretical tool that provides a good approximation of the calculation of CO2 equivalent produced by agriculture activity and is a good initial and follow-up reference point to compare different cases under study.

Kind regards

Dr. José Luis Piñeiros Mendoza