Reply on AC1
Anonymous Referee #1

Referee comment on "Gridded 5-arcmin, simultaneously farm-size- and crop-specific harvested area for 56 countries" by Han Su et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-72-RC2, 2022

In relation to the author's response to [Comment] 2, I'm very much impressed by the figure (Fig. The distribution of irrigated, low- and high-input rainfed, and subsistence rainfed farming systems within each farm size according to the SPAM based downscaled map) that the portion of the subsistence rainfed and low-input rainfed farming systems account for more in the smaller farm sizes than in the larger farm sizes. The figure also shows that the portion of the irrigated farming system is more in the smaller farm sizes. Why is the irrigation-equipped area share relatively high in small size farmers? I would be appreciate it if the authors could explain this point. I suspect that this is due to the large number of small size farmers in Asia (in particular India) where water resources are abundant thanks to monsoon rainfalls.