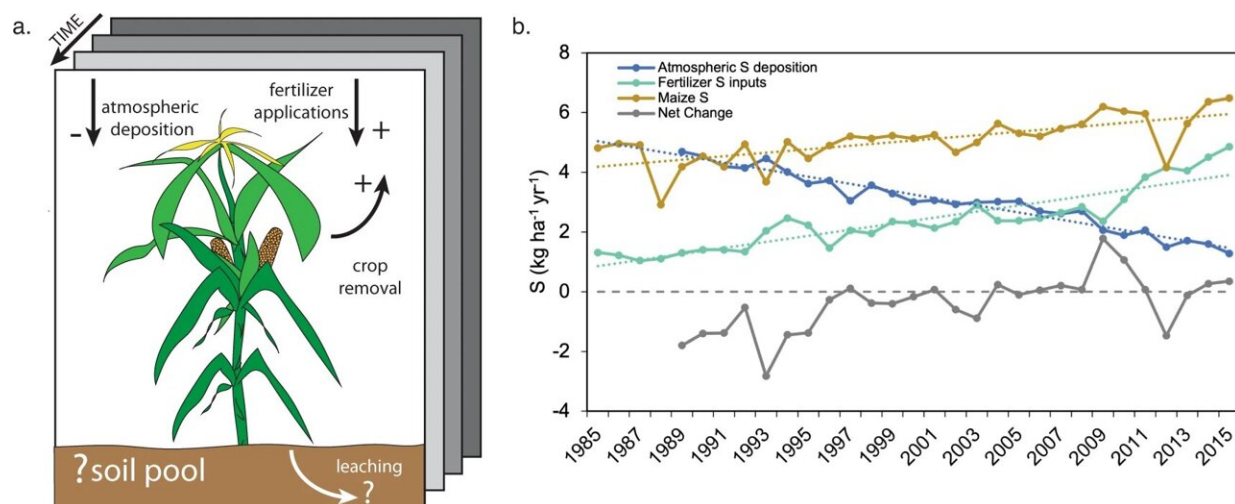# Air quality improvements lead to more sulfur fertilizer use, shows study

January 9 2023

a Conceptual model of S flows. **b** Trends in S inputs and estimated S output in maize. Areal loads are calculated as the total amount of S normalized by the total land area of the study region (atmospheric S deposition), the total cropland in the study region (all S fertilizer products), and area of maize planted (maize S). Best fit lines are slope = −0.12 kg S ha^{-1} yr^{-1}, R^2 = 0.96 (atmospheric S deposition), 0.10 kg S ha^{-1} yr^{-1}, R^2 = 0.82 (fertilizer S inputs), and slope = 0.06 kg S ha^{-1} yr^{-1}, R^2 = 0.46 (maize S). The linear models are statistically significant (p

Citation: Air quality improvements lead to more sulfur fertilizer use, shows study (2023, January 9) retrieved 26 April 2024 from https://phys.org/news/2023-01-air-quality-sulfur-fertilizer.html

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