

Geoclimatic modeling and assessment of pesticide dynamics in Indian soil

Kishalay Chakraborty¹ and Akio Ebihara^{2,3,4,*}

¹ United Graduate School of Agricultural Science, Gifu University, 1-1 Yanagido, Gifu 501-1193, Japan

² Faculty of Applied Biological Sciences, Gifu University, Tokai National Higher Education and Research System, 1-1 Yanagido, Gifu 501-1193, Japan

³ Preemptive Food Research Center (PFRC), Gifu University Institute for Advanced Study, 1-1 Yanagido, Gifu 501-1193, Japan

⁴ Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam 781039, India

***Corresponding author:** ebihara.akio.v9@f.gifu-u.ac.jp

Supplementary Fig. S3: PDF maps showing topsoil pesticide residue levels for all 46 pesticides analyzed in the study. Unique color gradients reflect the varying ranges of pesticide residue levels, and each map includes 3861 dots that represent the average pesticide deposition in the topsoil for each pesticide across individual villages. Maps were generated by custom Python code.



























































































