【他誌掲載論文要旨】

J. Pestic. Sci. **43(4), 277–282 (2018)**
DOI: 10.1584/jpestics.D18-015

Title: Comparison of soil sorption parameters of pesticides measured by batch and centrifugation methods using an andosol

Authors: Yutaka Motoki,[1,*] Takashi Iwafune,[2] Nobuyasu Seike,[3] Keiya Inao[3] and Sayuri Namiki[3]

[1] Food and Agricultural Materials Inspection Center, Agricultural Chemicals Inspection Station, 2–772 Suzuki-cho, Kodaira, Tokyo 187–0011, Japan

[2] Food Safety Commission Secretariat of Japan, Akasaka Park Bld. 22nd F. 5–2–20 Akasaka, Minato-ku, Tokyo 107–6122, Japan

[3] Institute for Agro-Environmental Sciences, NARO, 3–1–3 Kannondai, Tsukuba, Ibaraki 305–8604, Japan

Summary: We compared the soil sorption coefficient (K_d) measured by batch and centrifugation methods using a Japanese andosol and ten pesticides. Although the K_d values measured by both methods increased with time, those obtained *via* the batch method tended to be higher during the test period. The difference in K_d values between the two methods affected pesticide concentrations estimated in the soil solution, and the results estimated using K_d values obtained via the batch method underestimated.