

## **E2-10 Fate of paraquat applied on the dry zone rice fields**

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The behaviour and fate of paraquat which had entered into the rice soil-water environment of the dry zone of Sri Lanka were investigated in a model system. The adsorption kinetics of rice soil-water system and the influence of some physico-chemical parameters such as pH, paraquat concentration, background ionic concentration and soil organic carbon content on the sorption process