

Nitrate pollution and acidification of the tea field located at Southern part of Shizuoka prefecture

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Nitrate concentration in the tea field and that of spring water and river water were studied in relation to soil and water acidification. The nitrate concentration in the soil of tea field increased with depth to give soil pH less than 3. However the abandoned tea field more than 10 years gave soil pH 4 to 5. The nitrate concentration of the water closed to the tea field exceeded 10mg l^{-1} to show nitrate pollution.