
MIS006-P03

Room: Convention Hall

Time: May 26 17:15-18:45

Atmospheric nitrogen deposition at the West Kanto area and antimony concentration as an indicator of the deposition.

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Nitrogen deposition was measured at West Kanto area (Yorii and Kumagaya) during 2008-2009. The amount was 5.3kgN ha⁻¹ yr⁻¹ and 16.1kgN ha⁻¹ yr⁻¹ respectively. The amount of through fall in Japanese Cedar forest was 32.3kgN ha⁻¹ yr⁻¹ at Yorii and 60.5kgN ha⁻¹ yr⁻¹ at Kumagaya. The antimony concentration measured as an indicator of nitrogen deposition, showed high (about 0.85) coefficient correlation.

Keywords: nitrogen deposition, rain, through fall, antimony