

Temporal change in base cation and nitrogen status of Central European forest soils. (S07-jandl105859-Poster)

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Abstract:

Changes in land use and high rates of deposition have changed the forest soil condition in Europe strongly within a few decades. However, forests are also responding to a prolonged growing season and to the anticipated fertilization effect of CO₂. We investigated what kind of response on soil chemistry, on nutrient content of foliage and on growth took place at three sites in Austria. The growth rates increased somewhat, compared to a Yield Table. The nutrient contents in the foliage remained unchanged, the nitrogen content of the soil changed, but due to the high variability of the data (or small sample size) the uncertainty is considerable.

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Presentation Information:

Presentation Date: Tuesday, November 12, 2002

Presentation Time: 2:00-4:00 pm

Poster Board Number: 1622

Keywords:

nitrogen accumulation, base cation loss, forest soil