

## Nitrate leaching in Andisol field under different organic matter management

Sadao Eguchi<sup>1\*</sup>, ASADA, Kei<sup>1</sup>, IWATA, Yukiyo<sup>2</sup>, KOGA, Nobuhisa<sup>2</sup>

<sup>1</sup>National Institute for Agro-Environmental Sciences, <sup>2</sup>National Agriculture and Food Research Organization Hokkaido Agricultural Research Center

Organic matter management in agricultural soils should affect not only the soil carbon accumulation but also the nitrate leaching to below the crop root zone. This presentation shows the monitoring results about the influence of different organic matter management systems in relation to the crop residue incorporation, cattle manure compost (CMC) amendment, and timing of CMC amendment in Andisol fields with loamy or sandy-gravel subsoils.