

# **Vertical leaching of water-soluble organic matter from the upper horizons of sod-podzolic soil and leached chernozem**

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## **Abstract**

The descending water flux of organic matter from the arable and subarable horizons of sod-podzolic soil and leached chernozem has been under study by lysimetric methods. Total carbon losses reached 48.6-58.1 kg/ha/year. According to the data obtained by gel-chromatography and by gas chromatography-mass spectrometry methods, organic substances are migrating as rather simple compounds with molecular weights not surpassing 500.

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## **Keywords**

Leached chernozem, Sod-podzolic soil, Upper horizons, Vertical leaching, Water-soluble organic matter