Introduction

Soil sampling was performed under winter wheat in three soil depths (0-10 cm, 10-20 cm, 20-30 cm). Reduced tillage sites (DS/MT) were not ploughed for at least five years prior to sampling. SOC was determined by subtracting possibly existing carbonates (determined with Scheibler method) from total carbon (determined by dry combustion). Microbial biomass C ($C_{mic}$) was estimated by chloroform-fumigation extraction (Brookes et al., 1985; Vance et al., 1987). The fungal cell-membrane component ergosterol was extracted (Djajakirana et al., 1996) as a proxy for fungal biomass.

Material and Methods

Farmland soils with different management practices were examined in the typical agricultural areas in Sweden, France, and Romania. In Sweden and France the tillage practices CT vs. DS and in Romania CT vs. MT were compared.

Results

A manuscript is in preparation.

Literature

