

DYNAMICS OF DISSOLVED ORGANIC MATTER AND ITS DISTRIBUTION IN SOIL PROFILES OF LOAMY–SAND SPODOSOL WITH DIFFERENT FERTILITY LEVELS

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Dynamics of the total organic matter and dissolved organic matter in the topsoil of loamy-sand Spodosol with low end high levels of soil fertility were studied during one growing season. The distribution of water-dissolved organic matter was also studied within soil profiles of the same soils. It was shown that the content of the dissolved organic matter in the soil increased with increasing level of soil fertility.

Key words: Spodosol, dissolved organic matter, soil fertility, topsoil, soil profile.