

Pilot projekt motrenja poljoprivrednih tala

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Sažetak

Projekt “Izrada programa trajnog motrenja tala Hrvatske s pilot projektom” u provedbi je od siječnja 2006. do siječnja 2009. godine. Nositelj projekta je Agencija za zaštitu okoliša. Cilj provedbe Pilot projekta je provjera praktične izvedbe postupaka uzorkovanja, analize i uređivanja podataka preporučenih Priručnikom za trajno motrenje tala Hrvatske, kako bi se uočile i ispravile eventualno problematične stavke.

Mjesta provedbe Pilot projekta motrenja poljoprivrednih tala su Zapadno-panonska podregija; Potok - ratarska proizvodnja s lizimetrima na svim varijantama. Istočno-panonska podregija; Donji Miholjac – tlo s intenzivnim uzgojem povrća uz navodnjavanje. Satnica – tlo s višegodišnjim nasadom jabuke. Nakon pripremnih radova u uredu i preliminarnih terenskih radova, otvorene su pedološke jame i opisani profili tla prema FAO vodiču za opis tala. Zatim su uzeti uzorci iz profila za fizikalne i kemijske analize, te prosječni uzorci tla sa svake postaje. Najveći dio analiza obavljen je u laboratoriju Zavoda za tlo, C-H-N-S analize i analiza vode obavljene su u laboratoriju Zavoda za OPB Agronomskog fakulteta u Zagrebu, a postojani organski onečišćivači u laboratoriju Zavoda za javno zdravstvo Grada Zagreba. Provedba i rezultati Pilot projekta značajno su doprinijeli stjecanju iskustva u provedbi trajnog motrenja i stjecanju novih saznanja, koja su prenesena u završnu verziju Priručnika za trajno motrenje poljoprivrednih tala.

Ključne riječi: trajno motrenje poljoprivrednih tala, pilot projekt, analiza tla, analiza vode

The Pilot project for monitoring of agricultural soils

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Abstract

Project „Development of the Croatian soil monitoring programme with a pilot project“ has been conducted in the period from 2006. to 2009. Beneficiary of project is Croatian Environment Agency. The goal of implementing the Pilot Project is to verify practical conducting of sampling, analysis and arrangement of data proscribed by The Soil Monitoring Manual, in order to observe and correct possible problematic items.

Locations for implementation of the Pilot Project for monitoring of agricultural soils are Western Pannonian subregion; Potok – agricultural production with lysimeters at all variants. Eastern-Pannonian subregion; Donji Miholjac – soil with intensive cultivation of vegetables with irrigation. Satnica – soil with perennial apple plantation. After preparatory work at the office and preliminary field work, the profiles were dug up and described according to FAO Guidelines for soil description. Afterwards, soil samples were taken from profiles for physical and chemical soil analysis, and composite samples of the sites. The largest part of analyses was performed in the laboratory of the Institute for Soil. C-H-N-S analysis and water analysis were conducted at the laboratory of the Institute for GPP of the Faculty of Agriculture in Zagreb, and persistent organic pollutants at the laboratory of the City of Zagreb Public Health Institute. The implementation and results of the Pilot Project significantly contributed to gaining of experience in conducting monitoring and acquisition of new insights, which have been transferred to the final version of the Manual on Monitoring Agricultural Soils.

Key words: monitoring of agricultural soils, pilot project, soil analyses, water analysis