

## **Monitoring of Potato Rot Nematode (*Ditylenchus destructor* Thorne, 1945) in Southern Georgia Nematode Fauna Diversity of Rhizosphere**

**Authors :** E. Tskitishvili, L. Jgenti, I. Eliava, T. Tskitishvili, N. Bagathuria, M. Gigolashvili

**Abstract :** The nematode fauna of 20 agroecosystems (soil, tuber of potato, green parts of plant, roots) was studied in four regions in South Georgia (Akhaltzikhe, Aspindza, Akhalkalaki, Ninotsminda). In all, there were registered 173 forms of free-living and Phyto-parasitic nematodes, including 132 forms which were specified according to their species. A few exemplars of potato root nematode (*Ditylenchus destructor*) were identified in soil samples taken in Ninotsminda, Akhalkalaki and Aspinda stations, i.e. invasion is weak. Based on our data, potato *Ditylenchus* was not found in any of the researched tubers, while based on the data of previous years the most of tubers were infested. The cysts of 'golden nematodes' were not found during inspection of material for detection of Globoderosis

**Keywords :** ditylenchus, monitoring, nematoda, potato

**Conference Title :** ICPB 2015 : International Conference on Plant Biology

**Conference Location :** Prague, Czechia

**Conference Dates :** October 05-06, 2015