The Influence of Thiuram on the Mobility of Heavy Metals in Soils – Barbara Jankiewicz, Dorota Adamczyk

Summary

The work is a continuation of previous studies on the effect of thiuram on the mobility of heavy metals in soils. The introductory part of the work involved the analysis of properties of the soils used for the examination i.e.: the content of organic matter, acidity and mechanical properties. The content of lead, copper, manganese and zinc was determined in soils (1M HCl extracts) free from additives and soils sprayed with thiuram after 3, 6, 9 and 12 weeks. The content of total metals was determined in mineralizates (soils without thiuram) obtained by a conventional method according to the ISO standards. The analysis showed that the soils used for the examination were not contaminated with any of the determined elements. The contents of Pb, Cu, Mn and Zn in soils with thiuram were different depending on metals and the time of contact of the soils with thiuram.