GOLD



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Lavreotiki, Greece

TREATMENTS APPLIED

- Control
- Mycorrhizal fungi
- Fulvic/humic acids X mycorrhizal fungi



A long-term multi-metal contaminated site due to ancient (3000-200 B.C.) and more recent (1864-1982 A.D.) mining and metallurgical activities, primarily of Ag and Pb ores.



TRIAL CROPS

SORGHUM



HEMP



MISCANTHUS

All three crops could tolerate For hemp, the higher yields were elevated soil pollution to a certain observed in the control plots, extent. However, their growth and indicating that the applied yields were smaller than usual. treatments did not effectively impact this crop For sorghum and miscanthus, the highest yields were measured in SUMMARY RESULTS Hemp concentrated more Ni, the plots treated with a Cu, Pb, and Sb in the aerial combination of mycorrhiza and biomass, while sorghum fulvic/humic acids concentrated more Cd and Zn. In the second year the yields were higher than in the first year Miscanthus concentrated the metals in the following order: Zn > The yields did not differ significantly Pb > Cu > Sb > Cd > Niamong treatments, apart from hemp in 2023

