

SOURCE OF POLLUTION

A site polluted by the past metallurgical activities of the lead and zinc smelter METALEUROP Nord (1894 to 2003). Contaminated mainly by Cd, Pb and Zn, covers an area of 120 km²



Lille, France

TRIAL CROPS



SORGHUM



HEMP

TREATMENTS APPLIED

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

SUMMARY

These results demonstrate the potential of sorghum for Cd and Zn phytoextraction

The increment of biomass yields and shoot metal uptake in year 2 may be indicating an improvement in soil conditions with these phytomanagement practices

RESULTS

Sorghum showed significantly higher shoot concentrations of Cd and Zn, compared to hemp

The biomass yield of both sorghum and hemp in year 2 was higher than in year 1

The shoot uptake of Cd, Pb and Zn in year 2 was generally higher than in year 1

