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18. Abstract
For economical reasons sanitation of explosive contaminated soils from former amunition plants by means of physical-chemical procedures has to be restricted to highly polluted places.
For large areas contaminated with 2,4,6-trinitrotoluene (TNT) to a weak or middle degree of pollution inexpensive methods of decontamination have to be developed.
In container experiments stem cuttings of TNT-tolerant clones of willow (Salix) and poplar (Populus) were exposed to TNT-contaminated soils. Plants and soils were analyzed by GC-ECD.
In planted containers artificial with TNT contaminated sand as well as TNT/ADNT-polluted armunition plant soil degradation of TNT to its primary reduction products 4-amino-2,6-dinitrotoluene (4-ADNT) or 2-amino-4,6-dinitrotoluene (2-ADNT) is promoted.
It could be shown that plant uptake of nitroaromatics occurs preferentially as uptake of ADNTs into the above ground region of the woody plants. Thus, woody plants have a sanitation potential für TNT-polluted soils.

19. Keywords
2,4,6-trinitrotoluene, TNT, explosives, decontamination, woody plants, Salix, Populus, plant analysis, GC-ECD

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