

PLANT-BASED REMEDIATION OF PESTICIDE-CONTAMINATED SOIL AND WATER

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Abstract

This review paper will address the non-target effects of pesticides on soil microorganisms and plants, pesticide physiology and toxicology, and fate and transport of pesticides in surface waters, groundwater, and soil; to suggest clean-up strategies for pesticide contaminated environments using microorganisms and plants. This paper will review the plant-based treatment systems that are now in use to treat pesticide contaminated environments and suggest additional plant-based treatment systems.

Key words: insecticides, herbicides, phytoremediation,