The Profile of Tsunami Affected Soils and Management Implication

The forces of the waves and the mud brought by the waves, during the December 2004 tsunami, changed the soil profile and nutrient balance in the upper soil layer. We described the soil profile in May 2005 (five months after the tsunami) in Aceh Besar District, Indonesia. This profile serves as a scientific asset for developing future research and management strategies.

There were still researchable questions with respect to nutrient imbalance (dominance of Mg relative to K and Ca) and micro nutrients deficiency. These questions are more serious for annual crops than perennial crops. Perennial crops seem more resilient and able to cope with the complexity of the soil properties.