

RECENT ADVANCEMENTS FOR RECLAMATION OF PROBLEMATIC SOILS

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Abstract: Sustainable agricultural development and food security will be one of the key challenges for India in this century. Around 65% of the India's population is living in rural area with agriculture as their livelihood support system. The vast majority of Indian farmers are small and marginal. Their farm size and the quality is deteriorating due to increase nutrient withdrawal, soil erosion, higher insect pest outbreak, adverse impacts of climate and accumulation of toxic elements in soil and water resources. All of these factors combined with increased rate of land degradation are contributing in declining in agricultural productivity leading to threat of food security. Since land resources are limited and decreasing due to diversified land uses, appropriate measures are required to reclaim degraded and wastelands, so that areas going out of cultivation due to social and economic reasons are replenished by reclaiming these lands and by checking further loss of production potential. The present review will through light on the existing and future problems related to soil practices and appropriate measures to overcome soil degradation problem.

Keywords: Conservation agriculture, Land degradation, Nutrient management

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