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Influence of Organic, Chemical, and Integrated Management Practices on Soil Organic Carbon and Soil Nutrient Status under Semi-arid Tropical Conditions in Central India

Nav Raten Panwar . Pedaprolu Ramesh, Amar Bahadur Singh & Sivakoti Ramana Pages 1073-1083 | Received 26 Jul 2008, Accepted 26 Aug 2009, Published online: 04 May 2010

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# **Abstract**

Soil organic carbon (SOC), macro- and micronutrient status, and nitrogen (N)

mineralization were studied in a soil profile managed with organic (OMP), chemical

(CMP), a

soybear

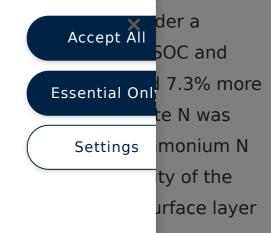
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in the OMP and IMP plots. The OMP and IMP had a significantly greater mineralization rate of N than did CMP, and it was greatest in the top 0- to 15-cm soil layer.



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