

Using **Biochar** and **Urea** to Improve **Rice Production** on **Tropical Acid Soils**



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ABSTRACT

This book demonstrates how chicken litter biochar can be used as an organic amendment to condition acid soils to unlock phosphorus and potassium such that only a minimum amount of nitrogen fertilizers such as urea is used in rice cultivation. It also discusses how this approach can be used to increase nutrient use efficiency and rice grain yield. The book also highlights how soil nutrients conductivity and permittivity are related to rice grain yield. This book will be of significant interest to those in the agricultural and environmental sciences, students, research scientists, farmers and others.

Keyword: Biochar; Urea; Rice production; Tropical acid soils