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Complementarity?

12 Targeting Management of Organic Resources and Mineral Fertilizers: Can we Match Scientists' Fantasies with Farmers' Realities?13 Direct Interactions between N Fertilizer and Organic Matter: Evidence from Trials with 15N-labelled Fertilizer; 14 On-farm Evaluation of the Contribution of Sole and Mixed Applications of Organic Matter and Urea to Maize Grain Production in the Savannah; 15 Yield Trends, Soil Nitrogen and Organic Matter Content During 20 Years of Continuous Maize Cultivation

16 Meeting the Phosphorus Needs of the Soils and Crops of West Africa: the Role of Indigenous Phosphate Rocks17 Options for Increasing P Availability from Low Reactive Phosphate Rock; 18 Phosphorus Uptake from Sparingly Available Soil-P by Cowpea (Vigna unguiculata) Genotypes; 19 Improving Phosphate Rock Solubility and Uptake and Yields of Lowland Rice Grown on an Acidic Soil Amended with Legume Green Manure; 20 Decision Making on Integrated Nutrient Management through the Eyes of the Scientist, the Land-user and the Policy Maker

21 Legumes: When and Where an Option? (No Panacea for Poor Tropical West African Soils and Expensive Fertilizers)22 Options for Soil Organic Carbon Maintenance under Intensive Cropping in the West African Savannah; 23 On-farm Research and Operational Strategies in Soil Fertility Management; 24 Recommendations; Index

Sommario/riassunto

Soil degradation and nutrient depletion have become serious threats to agricultural productivity in Africa. Soils cannot supply the quantities of nutrients required and yield levels decline rapidly once cropping commences. This book addresses these issues.