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	in Turmeric; Hybridization and Selection in Turmeric; References; 3 Genetics of Turmeric; The Diversity of Turmeric Species Curcuma sppIts CharacterizationMolecular Characterization; The Diversity in Turmeric Cultivars; Genetic Variability in Turmeric; The Conservation and Management of Turmeric Genetic Resources; Biodiversity and GIS Technology; Turmeric and Intellectual Property Rights; Controversial Patent Cases Involving Turmeric and Traditional Knowledge; Protection of Plant Varieties; Geographical Indications; References; 4 The Chemistry of Turmeric; Turmeric Oil; Turmeric Oleoresin; Microencapsulation of Oleoresin; Volatiles of Turmeric; The Constituents of Volatile Oils; Turmeric Turmerones Turmeric CurcuminoidsSpecific Beneficial Properties of Curcuminoids; Extraction and Estimation of Curcumin; Biosynthesis of Curcuminoids; References; 5 The Biotechnology of Turmeric; Tissue Culture; Explants and Media; Callus Induction; In Vitro Screening; Exchange of Turmeric Germplasm and In Vitro Conservation; Cryopreservation; In Vitro Mutagenesis; In Vitro Pollination; Microrhizomes; Molecular Markers; Molecular Characterization and Diversity Investigations; Checking Adulteration and Purity Assessment; Genetic Fidelity and Identification of SCV; Early Flowering; Genetic Transformation References6 The Agronomy of Turmeric; Soil and Climate Suitability; Propagation of the Crop; Seed Rhizome; Size of the Seed; Rate of the Seed; Transplantation; Crop Season; Planting; Treating the Seed Stock; Preparatory Tillage; Planting Method; Depth of Planting; Plant Geometry; Intercultivation Practices; Mulching Practices; Hilling; Weed Management; Cropping Pattern; Harvesting; Storage of Seed Rhizome; References; Soil Tests and Nutrient Availability; Nutrient Requirement and Uptake; 7 Nutrition and Nutrient Availability; Nutrient Requirement and Uptake; 7 Nutrition and Nutrient Availability; Nutrient Requirement and Uptake; 7 Nutrition and Nutrient Management in Turmeric; Manuring of Turmeric; Inorganic Fertilization
Sommario/riassunto	Effect of Micronutrients on Turmeric Production Turmeric has been used as a medicine, a condiment, and a dye since at least 600 B.C., while ginger has been used extensively throughout history for its medicinal purposes. The Agronomy and Economy of Turmeric and Ginger brings these two important plants together in one reference book, explaining their history, production techniques, and nutritional and medicinal properties in detail. This book is intuitively organized by plant and use, allowing quick access to information. It puts the uniquely Indian use and history of turmeric and ginger plants into a global context of produc