

**EVALUATION OF THE NUTRITIONAL ESTATE OF MANGO,
TOMMY ATKINS IN THE SUBMIDDLE SÃO FRANCISCO
RIVER VALLEY, ESTABLISHMENT OF NORMS DRIS**

Paulo Augusto da Costa Pinto¹, Luiz Eduardo Dias², Mohammad Menhazuddin Choudhury³ and Gerival Vieira²

¹Universidade do Estado da Bahia, DTCS, Juazeiro, BA, Brazil, pacostapinto@bol.com.br

²Univesidade Federal de Viçosa, Viçosa, MG, Brazil.

³Embrapa Semi-Árido, Petrolina, PE, Brazil.

The work aimed determining nutritional norms for crop mango, variety Tommy Atkins, starting from results of chemical analyses of leaves and productivity. Sixty three representative commercial orchards in the Submiddle São Francisco River Valley, in the Northeast of Brazil, were evaluated. Samples of leaves and soil were collected for chemical analysis, before previous the application of bud dormancy breaker to induce flower set. Analyze results were treated by diagnosis recommendation integrated system (DRIS). Norms for crop nutrition, diagnosis were established based on a database created in this research, with the nutrients N, P, K, Ca, Mg, B, Cu, Fe, Mn and Zn. The norms, established from a population reference with production igual or superior to 250 kg/plant, are representative of the environmental conditions of the main producing zone of mango of the country, being applicable to the crop nutrition diagnosis.