Coffee development under Lime and Boron levels. (S04-furlani172223-Poster)

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Abstract:

Leached soils of the tropical regions have a lesser amount of micronutrients than soils of tempered regions, as verified in the Central region of Brazil. The experiment was lead in masonry boxes, constructed with the dimensions of 0.125 m3, and capacity for 108 liters of soil. The factorial scheme was the 3x4, with the the basis saturation as the first factor and the boron doses as the second factor in a randomized complete blocks design with four replications. Evaluations of plant development, chemical analysis of leaves and soil had been carried out. The higher basis saturation propitiates the bigger values of Mg, V%, pH in the soil and the highest content of Mg in leaves and the lesser value of Al in the soil. The intermediate saturation propitiates the higher values of P and amount of basis in the soil; The plant high, stem diameter, branches length, number of pair of leaves and yield were affected by de boron levels, increasing until 1 g/plant and decreasing after this level. The nitrogen content was increased by the use of boron levels. The leaf content of Ca was increased until 1g of boron/plant and decrease after this level.

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