SUMMARY

Productivity of Anthurium (*Anthurium andreanum* Linden) flowers grown on two nutrient solutions in the municipality of Yanga, Ver.

This work was done in the greenhouse "Hermanos Flores" located in the town of Yanga, Veracruz state, in a first period between August 2014 and May 2015 and a second one between May and August 2015. They were assessed two nutrient solutions in four varieties of Anthurium (*Anthurium andreanum* Linden ex André) under protected conditions. The solution A was produced in the facilities of the greenhouse and the solution B was the one sold to Anthurium producers in the area, without trademark. Anthurium varieties were Fire, Montero, Midori and Carnaval. Plants were established in beds of 1.4 m wide by 10 m long on a substrate of red Tezontle and were seven years old. The experimental plots had a dimension of 1.4 m wide and 2.5 m long with 75 plants. Treatments were evaluated in five plants in each experimental plot. In the first period, the number of flowers were evaluated every seven days for nine months. In the second period a Bifactorial randomized block design was uused. The first factor were the nutrient solutions (Solution A and Solution B) and the second factor were the four varieties of Anthurium (Fire, Montero, Midori and Carnaval). The response variables plant height and number of flowers were measured every seven days for 10 weeks. The data obtained, were statistically processed using the StatGraphic Version 5.1 software. A variance analysis and a Duncan multiple range test were done. The results showed no statistically significant differences in terms of production of flowers for the nutrient solutions evaluated. Solution A showed the best cost/benefit range. For the varieties under study, Montero had the largest flower production (1.5 flowers / plant) with statistically significant differences with Midori; however between these two varieties and the remaining ones, statistical differences were not observed.

Key words: Anthurium, nutrient solutions, greenhouse