

AUXIGRO IMPACT ON YIELD AND FRUIT SIZE IN TANCITARO, MICHOACAN, MEXICO

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One of the major problems affecting yields in the avocado orchards in the State of Michoacan is low fruit set. The objective of this study was to evaluate the effect of AuxíGro on avocado yields and fruit size in Uruapan, Michoacan. This work was conducted in Tancitaro, Michoacan and San Angel Zurumucapio, Michoacan. The treatments evaluated were two: application doses (140 and 280 g ha⁻¹) and frequency of applications (3 and 5 applications) against a commercial control. In Tancitaro the treatments were applied on 10 trees, using each tree as a replicate. In San Angel the experimental unit was 25 trees per replicate. Six replicates were used, under a randomized experimental block design. The following data were recorded: final fruit set, size, weight and yield per tree. In both locations, following Tukey test, the best treatment in the production of avocado was AuxíGro 280g + 2 lt Ca + 1lt B with five applications. The final yield was 12.9 MT ha⁻¹ which represents an increase of 53,4 % in yield compared to the commercial control. All AuxíGro treatments showed larger fruits (more than 8 cm long) producing fruit weight over 200 g per unit, while the commercial control produced fruit with less than 8 cm long.