

EFFECT OF MICRONUTRIENTS AND PLANT GROWTH REGULATORS ON GROWTH AND YIELD OF GUAVA (*PSIDIUM GUAJAVA* L.) IN RAJASTHAN

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Abstract: The field experiment was conducted at IHITC, Jaipur during the year 2018-19 and 2019-20. The experiment consisted of foliar spray of 24 treatment combinations comprising two levels each of Zn, B and Fe (0.2 and 0.4%) and two levels of NAA (50 and 100ppm) and CCC (500 and 1000ppm). Treatments were applied on foliage as foliar spray twice, 15 days before flowering and 20 days after fruit set at marble stage. This experiment was evaluated under Factorial Randomized Block Design with three replications. The results revealed that increasing levels of micronutrients (Zn, B and Fe) and PGRs (NAA and CCC) significantly increased the growth (gain in plant height and spread NS & EW), yield (per tree and per hectare). Interactions of 0.4% H₃BO₃ and 100ppm NAA gave best results in respect to growth and yield.

Keywords: Growth, Yield, Micronutrients, Plant growth regulators

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