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# Influence of plant growth regulators and *Azospirillum* on survival percentage of transplanted air layers in guava (*Psidium guajava* L.)

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**ABSTRACT :** Investigation was carried out on air layering in guava as influenced by growth regulators and *Azospirillum* was carried out in the Orchard, Department of Horticulture, Faculty of Agriculture, Annamalai University, Annamalai Nagar during 2013-14, aimed to find out optimum concentration for maximum survival percentage in mature shoot air-layers of guava cv. L-49. There are 14 treatment combinations with three replications laid out in Randomised Block Design. With regard to survivability of rooted layers, maximum survival percentage (98.14%, 60 days after separation) was noted in the layers treated with *Azospirillum* 37.5g + IBA 3000 ppm + NAA 3000 ppm (T<sub>12</sub>).

**KEY WORDS :** Plant growth regulator, *Azospirillum*, Guava, Rooting

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