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## Promotive effect of paclobutrazol on avocado roots

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## Abstract

Treatment of paclobutrazol increased the number, thickness and weight of roots of avocado seedlings (Zriphin 99). The number of new leaves was also increased by paclobutrazol. Root length was decreased by paclobutrazol. Combined treatment of paclobutrazol plus fertilizer significantly improved root elongation. In the aerophonic system that was used in the present study, application of paclobutrazol for 10 days was most effective on avocado root development. Paclobutrazol stimulated root formation in very necrotic and damaged root systems. The promotive effect of paclobutrazol on roots and the whole avocado plant is discussed.