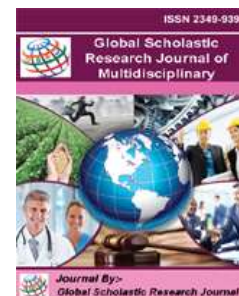




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ROOTING OF ORTHOTROPS AND RUNNERS IN BLACK PEPPER (*PIPER NIGRUM L.*)

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Abstract

The investigations on rooting of orthotrops and runners in black pepper (*Piper nigrum L.*)” were conducted at the pepper research unit attached to the Department of Plantation Crops and Spices, College of Horticulture, Kerala Agricultural University Main Campus, Vellanikkara during 2012-2014. The experiment was carried out with an objective to elucidate the effects of treatments, T₁ - IBA 1000 ppm, T₂ - cow dung slurry, T₃ - tender coconut water, T₄ - two per cent sugar and T₅ - charcoal paste in enhancing sprouting and root characters in two to three node semi hard wood orthotropic and runner shoots. The effect of different treatments on sprouting was varying in different months. The minimum time recorded from planting to initiation of sprouting in orthotrops and runners was 17 days. There was no significant difference among the treatments with respect to the length of primary roots, number of secondary roots/ plant, weight of roots (g), volume of roots (ml) and number of leaves/ plant in runners and orthotrops.

Key Words: Rooting, orthotrops, runners, *Piper nigrum*

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