Effect of Growth Substances and Sex Type on Rooting of Kakrol Stem Cuttings

T S K K Kiran Patro and K Malla Reddy
Department of Horticulture, College of Agriculture, Rajendranagar, Hyderabad 500 030, Andhra Pradesh

ABSTRACT

The studies on effect of different growth substances on root formation in kakrol vine cuttings revealed that among different growth substances, IBA at 1500 ppm recorded early (13.28 days) and higher percentage of rooting (90.97), number of roots per cutting (32.19), length of the longest root (21.05 cm), length of the shoot (31.95 cm), number of leaves per cutting (21.21) and percentage of establishment (99.23).Between male and female cuttings, male recorded significantly higher percentage of rooting (70.87) and early rooting (15.58 days), number of roots per cutting (21.08), length of the longest root (16.44 cm), length of the shoot (22.42 cm), number of leaves per cutting (11.68) and percentage of establishment (92.42) in the main field compared with female.The interaction between growth substances x chemicals revealed that IBA 1500 ppm + male cuttings recorded significantly early rooting (12.16 days), greater number of roots per cutting (34.46) and the longest root (22.43 cm) over rest of the combinations.

Key words : Cuttings,Growth Substances, Kakrol, Rooting