

## RAISING OF DIFFERENT ROOT STOCKS IN ROSE BY CUTTING

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### ABSTRACT

An experiment was carried out in a randomized block design (Factorial arrangement) at the orchard of Sindh Agriculture University, Tandojam to assess the growth and rooting response of cuttings of three locally available rose root stocks, viz. Common red rose, Edward rose-I and Edward rose-II, planted after treating them with growth regulator, (Seradix, B2) and without treating (control). Cutting of common red rose produced greater number of plants, and significantly higher number of shoots per plant, than Edward rose-I and Edward rose-II. Edward rose II also produced significantly superior number and length of roots. The cuttings treated with seradix resulted in the greater length of root formation, but had no effect on other characters studied.

### INTRODUCTION

The rose belong to the genus *rosa* of *rosaceae* family. It is an ornamental evergreen shrub. The plant is a native of temperate zone (1). For the best display of attractive colours the plant needs a cold climate, with bright sunshine and rich soil free from salts. The rose is reported have existed on this planet for many million years before man himself appeared, its fossilized bloom discovered in Oregon and Colorado have been indentified to be 35 million years old (2). Not only flower is the source of inspiration and pleasure but the same time it is useful in many ways, the