

Influence of culture conditions success on in vitro micrografting of Plum

Mohamed A. Salman*

Maha Ibrahim Salih**

* Prof. Dept. of Horticulture - College of Agriculture - University of Baghdad.

** Dept. of Horticulture - College of Agriculture - University of Baghdad.

ABSTRACT

This study was implemented in the tissue cultures lab., College of Agriculture, Abu-Ghraib during the period Nov. 2011 to June 2014.. It was aimed to Influence of culture conditions on micrografting of Plum by using two root stock: Myroblan plum and Garnem while the budding : (Santa Rosa and Golden Japanese) L, The result can be summarized as follow. . The Micro grafting method V gave higher success rate(55%) than T inverted method which gave 12.5%.

The periods of darkness, two weeks gave higher success rate 52% while one week, Three days gave 40and 25% respectively.

The Micro grafting medium 2 for micro grafting and rooting medium gave higher success (50%) than medium 1 for Micro grafting only which gave 40%.

Key words: Micrografting, culture conditions, budding Santa Rosa and Golden Japanese.