

EFFET OF SCIONS TREATMENT PERIOD WITH GROWTH REGULATORS NAA , BA ON GROWTH OF BUDDED ORANGE ON SOUR ORANGE ROOTSTOCK .

S. A. Abed – Alwahaab

T. H. Bresam

A. J. Fahad

* Al_Mussaib Technical College.

ABSTRACT

This study was carried at Al-Hindya horticultural station \ Kerbela during the season 2008-2009 to find out the effect of local orange scion treatment with 100 mg l^{-1} NAA and 75 mg l^{-1} BA and (100 mg l^{-1} NAA + 75 mg l^{-1} BA) and control for 3 dipping periods (5 , 10 and 15 minutes) on the percentage of budding success and the root and vegetative growth characters of the budded seedlings . Sour orange seedlings were used as rootstocks . using RCBD , with three replicates . The results were summarized as follow : -

1- Higher budding success percentage were obtained with treatment of buds by (NAA+BA) at ($100 + 75$) mg l^{-1} gave (93.39%) as compared with control (65.55 %) . The treatment with BA gave 84.44 % , while there was decrease due to NAA (46.16 %) as compared with the other treatments .

2- the treatment (100 mg l^{-1} NAA + 75 mg l^{-1} BA) showed significant increased in most studied the vegetative and roots characters .

3- Treatment with NAA at 100 mg l^{-1} resulted in significant increase in the vegetative and roots characters .

4- Dipping of scions in the growth regulators at 15 minuets period caused of a significant increase the vegetative and root characters . while 5 minuets period gave the lowest means of the characters studied .