

THE EFFECT OF IRON CHELATED Fe-EDDHA ON ROOTING AND ANATOMICAL
CHANGES OF PEACH ROOTSTOCK LOCAL BAYDAWI IN VITRO .

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ABSTRACT

This study was conducted to determine the effects of iron chelated Fe – EDTA or Fe –EDDHA on rooting , four concentrations (5.6 , 11.2 , 16.8 and 22.4 mg/l Fe) from Fe –EDTA or Fe – EDDHA supplemented with ½ MS media,the results indicated that 5.6 mg/l Fe –EDDHA gave the significant increase roots number, length, fresh and dry weight.Root sections showed that Fe-EDDHA promoted the division and development of vascular bundles by increasing the number of proxylem to 5 as compared to Fe-EDTA (4 bundle) high concentration of Fe (22.4 mg/l) resulted in the formation of zygomorphic vascular bundle and brown precipitations in the cortex .