



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_10973
Title of the Manuscript:	Effect of cutting type and IBA on rooting and growth of Citron (<i>Citrus medica</i> L).

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
-under Table 4 please review the presentation. You always write Pmm. Correct it to ppm such as in line 3 and 5. -delete double word "between" in line 6 under Table 5 and ppm not Pmm in line 5 and 7 - ppm not Pmm in line 8 of the conclusion - Please review your paper for this typo error.... ppm not Pmm -References should be in alphabetical order (such as authors last name first)	Results in the Table (4) show no significant difference between numbers of leaves of shoots the with the type of cutting auxin IBA. On the other hand IBA had significant effects on numbers of leaves of shoots, since 1000 ppm IBA gave 12.72 leaves while the control treatment had least value (8.36 cm). Regarding the effect of interaction between type of cutting and IBA, the treatment of (1000 ppm IBA + medial cutting type) gave 16,33 cm which was significantly higher than other numbers of leaves actions in Table(5),the lowest value of number of leaves was recorded in T1(Medial type cutting) and 500 ppm IBA treatment (7.33 leaves of shoots) The reason might be due to the co effect of both the type of cutting and of auxin IBA . Data presented in Table (6) declare a significant effect of type cutting on relative chlorophyll content, the use of base type cutting gave the highest chlorophyll content in leaves estimated at (62.08 %) whereas the least content (46.41%) was recorded in tip type cutting .While the use of IBA refers to there were no significant differences among the tested in chlorophyll leaf content. The interaction treatment between medial type cutting and auxin IBA (zero Pmm IBA gave the higher chlorophyll content in leaves (64.70%) while the least content (42.60%) was recorded for the interaction treatment between the tip type cutting and auxin IBA (zero Pmm in leaves) . This might be due to the co effect of both the type of cutting and of auxin . CONCLUSION The results of this investigation indicated that the medial stem cuttings of Citron (<i>Citrus medica</i>) Corsian cultivar effect significantly on shoots diameter , length of roots and leaves relative chlorophyll content , also the concentrations of auxin effect significantly form (IBA 500and 1000 ppm on rooting percentage , IBA 1000 ppm on the length shoots and number of leaves, IBA 2000 on the shoot diameter, length of roots and leaves relative chlorophyll content) compared with control treatment .The best treatment was (medial type cutting in the concentrations 500 and 1000 ppm of auxin IBA in root percentage and the concentrations 500 ppm in shoots length , diameter shoots, number of leaves, length of roots and leaves relative chlorophyll content. Reference Al-Safi, A.S.(1996).Effects of wounding and different concentrations of indole butiric acid on rooting of Ashrasy olive cuttings .Technical journal ,(34) :130-136 . Bhusa R.C.,F,D..G. Moon and K. L. Rutto (2001).Propagation of Citrus by stem cutting and seasonal variation in rooting capacity . Pakistan journal of biological science 4(11):1294-1298. Bose, T.K.(1985).Fruits of India. tropical and subtropical . Naya Prokash .India . Daoud , D.A , H.S. AL-Sadoon and N.M.AL-Imam. (1995).Effect of indole butyric acid on rooting and sprouting behaviors of eight citrus rootstocks cutting. Mozaptium agriculture journal 27 (1): 10-12. Hartmann, H.T., D.E. Kester, F.T. Davies, Jr., and R.L. Geneve. (2002). Plant Propagation: Principles and Practices. 7th ed. Prentice Hall. Upper Saddle River, NJ. Sabah ,S.M. ,J. W .Grosser ,J. L. Chandler ,and E .S. Louzada (1991).The effect of growth regulators on the rooting of stem cuttings of citrus ,related genera and intergeneric somatic hybrids. Proc. Fla. State. Hort.S0c.104:188-191. Woodford, R.C. (2005).Citrus classification .Biotech books .Delhi-110 035.