

Effect of Auxin on Seed - less barberry cuts rooting**M.Shoor¹,K.Arzani²,A.balandry³****1- University of Mashhad****2- University of Tarbiat Moddaress****3- Iranian Research of Organization Science and Technology**

Barberry is grown in more than 3900 hec cultivation area in central and south parts of Khorasan province. Barbery production was nearly 15000 tons with the value of RIs 3000.000.000 in the year 1991. Therefore it is necessary to do different researches for this important crop. Scince, propagation of barberry by sucker have many problems, therefore, we designed a research for the acceleration of cuts rooting by using different hormones. A Complete randomized block design with 4 replications was used. We had 12 treatments and 4 times of using NAA and IBA. The result showed that non of the treatments couldn't produce rooting in the cuts. It seems the lack of co-factors in barberry for rooting, is the most important reason for not producing roots in the cuts. This co-factors are phenolic component which includes cofeic, colbrogenic acid and cathecol which have antagonistic effect on auxin.