

Study and comparison of vegetative propagation methods (Layring, cutting) of Apple rootstock M9.

N. Bouzari¹, M. Mostafavi² and A. Talaie³

1- Seed and Plant Improvement Research Institute, Karaj

2- Institute of Agricultural Karaj, Karaj

3- Dep. of Horticultuer, College of Agriculture, Tehran University, Karaj

M9 is one of the dwarfing apple rootstocks which is used widely over the world. This study was done on the planted rootstockes in Kelardasht rigion in a 2 years course. In fall seedlings were layerd in a depth of 5 cm of ground and after one year original shoots were brought out of the soil and rooted seedlings were separeted and transformed to a suitable bed. The results of this research showed that by using this method the percentage of shoots is 47. In propagation method by way of cutting it was shown that most pecentage of rooted cutting in the best harmonic condition and time has been 13/9 percent, using the average pecentage of layered seedlings and rooted cuttings and other studied factors in this study which including diameter of shoots, number of roots, dry weight of roots, Maximum length of roots, lenght of shoots, length of roots, and number of shoots showed that best propagation in M9 Rootstocks is by layring method.