In this study, after surveying the candidate plants which are of economical value some plant species (Arbutus unedo, Capparis ovata, Origanum vulgare, Pistacia terebinthus, Salvia pumifera, Vitex agnus-castus, Tamarix smyrnensis, Quercus coccifera, Styrax officinalis) were used in order to fight erosion at weak soils in Ege Region. Obtained cuttings from these plants propagated to different treatments in open field and greenhouse. According to results, in open field, Arbutus unedo, Capparis ovata, Origanum vulgare, Pistacia terebinthus, Salvia pumifera, Vitex agnus-castus, Tamarix smyrnensis, Quercus coccifera, Styrax officinalis species without any treatment in February Vitex agnus-castus and Origanum vulgare species with a treatment of IBA 2000 ppm in March have shown best performance. In the Vitex agnus-castus, Origanum vulgare and Capparis ovata cuttings has been determined that hormone application has negative effect on the rooting.