This study, which aims to determine the population, ecology of wild boar and habitat relations spreading in the Isparta Gölcük Nature Park, conducted between the years of 2011-2012. The study is carried out in three stages such as preliminary study, population inventory and habitat preferences. In order to determine the usage of habitat and habitat preference, "Presence or Absence Method" was applied. According to the statistical analysis based on the results of counting’s in totally 106 lines and in 2655 plots, and the relative frequency, showed that the wild boar uses 17 different habitat types, such as 10% the most of black pine forest, 10% cedar forest, and with decreasing rates the other forests. The positive substantive results of Multivariation and Chi-Square Test Analysis increased the importance of cedar wood. When the seasonal preference of the wild boar was analyzed, it was observed that it prefers black locust forests and agricultural fields during summer, and in the aspect preference, shadowy fields which change according to the day hours rather than South aspects.