Myzaphis rosarum (Kaltenbach) (Hemiptera: Aphididae) is a harmful species on oil-bearing roses (Rosa damascena Miller (Rosaceae)) in Isparta and Burdur provinces. The developmental time and mortality rate of M. rosarum on grafted [Rosa odorata (Andrews) Sweet] and ungrafted damask roses were studied. Total developmental time of immature stages of M. rosarum were 13.59 and 13.55 days on grafted and ungrafted damask roses, respectively. When the life-tables were constructed for M. rosarum, net reproductive rate (R0), intrinsic rate of increase (rm), doubling time (DT), mean generation time (T0) were found 10.77 and 4.41 females females\(^{-1}\) generation\(^{-1}\), 0.184 and 0.099 females females\(^{-1}\) day\(^{-1}\), 3.426 and 6.341 days, 12.92 and 14.93 days and finite rate of population increment (\(\lambda\)) 1.224 and 1.116 individual females\(^{-1}\) day\(^{-1}\) on grafted and ungrafted damask roses, respectively.