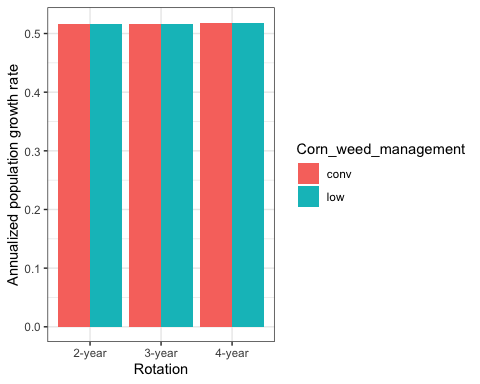
Using 2018 fecundity rates, waterhemp populations in all crop identity halved annually (Figures 1 and 2). 

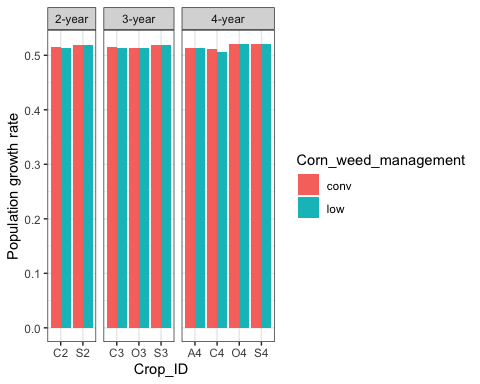


Figure 2: Waterhemp population growth rate in each crop phase using 2018 fecundity rate.