

Notation	Meaning
$\alpha_U, \alpha_W$	Fecundity rates of uninfected and infected insects
$\nu$	Rate of transfer from the preliminary to the adult stage
$\mu$	Mortality rate of uninfected and infected insects in preliminary stage
$\mu k$	Characteristic of the additional mortality rate in preliminary stage
$\mu_U, \mu_W$	Mortality rates of uninfected and infected insects at adult stage

Table 1: List of parameters of model eq1