

Table 2: Predictions for the interactive effects of relative humidity & temperature on different mosquito traits.

Trait	Definition	Tmin	Topt	Tmax
<i>MDR</i>	mosquito development rate (1/days)	no change	?	evaporation ↓ with ↑ RH = ↑ or no Δ in Tmax no evaporation with ↑ RH = ↓ Tmax
<i>pEA</i>	probability of egg to adult survival	no change	?	evaporation ↓ with ↑ RH = ↑ Tmax no evaporation with ↑ RH = ↓ Tmax
<i>EFD</i>	per capita no. of eggs produced daily per female (1/days)	no change	?	RH ↑ = ↑ or ↓ Tmax
<i>a</i>	per capita female biting rate (1/days)	no change	?	RH ↑ = ↑ or ↓ Tmax
<i>μ</i>	per capita mosquito mortality rate (1/days)	no change	?	RH ↑ = ↑ Tmax
<i>bc</i>	probability of becoming infectious	no change	?	RH ↑ = ? Tmax
<i>EIR</i>	extrinsic incubation rate (1/ EIP or 1/days)	no change	?	RH ↑ = ↑ Tmax