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Erratum

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1) On page 1774 Eq. 4 is

$$rate(T, D)_{DSD} = \begin{cases} rate(T)_{SS} & , \text{for } D > D_{th} \\ rate(T)_{SS} + (D - D_{th}) * S_T * (rate(T)_{ss} - \rho) & , \text{for } D \geq D_{th} \end{cases} \quad (4)$$

But it should be:

$$rate(T, D)_{DSD} = \begin{cases} rate(T)_{SS} & , \text{for } D < D_{th} \\ rate(T)_{SS} + (D - D_{th}) * S_T * (rate(T)_{ss} - \rho) & , \text{for } D \geq D_{th} \end{cases} \quad (4)$$

2) On page 1777, in the last paragraph of the results, H_H should be substituted with H_L (since H_H was not included in Eq. 3, nor in the list of the parameters).

3) and the regression fit validated that this difference (higher than the observed egg-treatments formed the inter moth field later than regression fit validated rate at T_{ref} (ρ). This parameter caused a large difference in predicted egg-hatching date, compared to the egg-hatching date predicted by the model with the original estimated parameter values (Supplementary material Appendix 1 Fig. A1d). The second most influential parameter was T_{ref} (Supplementary material Appendix 1 Fig. A1g). The parameter that least influenced predicted egg-hatching date was H_H (Supplementary material Appendix 1 Fig. A1f).

Discussion

Timing of winter moth egg-hatching, thus the developmental rate of the eggs, is affected by temperature and develop-

3) In Fig. 2a the line designations are in a reversed order. It should be as below.

