Supplementary Table S1 The indices and parameters used in the development of the CLIMEX model for *Acaciothrips ebneri* based on its native range distribution

|  |  |  |
| --- | --- | --- |
| **Index** | **CLIMEX parameters** |  **Value** |
| Temperature | Limiting low temperature (DV0) |  18 oC |
|  | Lower optimal temperature (DV1) |  25 oC |
|  | Upper optimal temperature (DV2) |  37 oC |
|  | Limiting high temperature (DV3) |  45 oC |
| Moisture | Limiting low moisture (SM0) |  0.045 a |
|  | Lower optimal moisture (SM1) |  0.2 a |
|  | Upper optimal moisture (SM2) |  1.2 a |
|  | Limiting high moisture (SM3) |  1.5 a |
| Cold stress | Cold stress temperature threshold(TTCS) |  2.5 oC  |
|  | Cold stress temperature rate (THCS) |  -0.2 week-1 |
|  | Cold stress degree-day threshold DTCS) |  0 oC days |
|  | Cold-stress degree-day rate (DHCS) |  0 week-1 |
| Heat stress | Heat stress temperature threshold (TTHS) 45 oC |
|  | Heat stress temperature rate (THHS) |  0.05 week-1 |
|  | Heat stress degree-day threshold |  0 oC days |
|  | Heat-stress degree-day rate |  0 week-1 |
| Dry stress | Dry stress threshold (SMDS) |  0.045 a |
|  | Dry stress rate (HDS) |  -0.025 week-1 |
| Wet stress | Wet stress threshold (SMWS) |  1.5 a |
|  | Wet stress rate (HWS) |  0.02 week-1 |

a Values without units are a dimensionless proportion.