Table 4. Time to seed germination (in hours or days) of species occurring in the Cerrado, based on T50 in the present time and RCP scenarios of temperature increase in the future (IPCC, 2014).

|  |  |  |
| --- | --- | --- |
|  |  | Future temperature increase (°C) |
|  |  | RCP 2.6 | RCP 8.5 |
| Species | Present time | 0.3 | 1.7 | 2.6 | 4.8 |
| *\*Libidibia ferrea**Enterolobium contortisiliquum**\*Samanea tubulosa**\*Senegalia polyphylla**\*Plathymenia foliolosa**\*Bauhinia campestris**Senna multijuga**Peltogyne confertiflora**Tachigali vulgaris* *Guazuma ulmifolia**Cochlospermum regium**Jacaranda mimosifolia**Amphilophium elongatum**Physocalymma scaberrimum* | 45.92 (1.98)4.77 (0.09)39.71 (0.77)25.92 (0.65)83.45 (2.87)32.34 (0.93)3.24 (0.09)6.93 (0.17)6.26 (0.15)3.87 (0.16)3.98 (0.11)5.42 (0.19)23.04 (0.42)3.65 (0.13) | 45.13 (1.12)4.71 (0.09)39.23 (0.75)25.51 (0.63)81.66 (2.75)31.77 (0.88)3.18 (0.08)6.83 (0.16)6.16 (0.15)3.77 (0.15)3.91 (0.11)5.29 (0.18)26.21 (1.66)3.57 (0.12) | 41.74 (1.05)4.45 (0.08)37.13 (0.67)23.75 (0.55)74.43 (2.71)29.46 (0.67)2.97 (0.07)6.37 (0.14)5.74 (0.13)3.36 (0.11)3.61 (0.09)4.81 (0.14)29.70 (2.54)3.24 (0.09) | 39.82 (0.96)4.20 (0.07)35.89 (0.73)22.75 (0.50)70.87 (1.69)28.33 (0.48)6.32 (0.29)6.11 (0.13)5.50 (0.12)3.16 (0.99)3.45 (0.07)4.57 (0.10)33.18 (4.18)3.07 (0.07) | 35.82 (0.75)3.95 (0.06)33.18 (0.53)20.62 (0.41)60.06 (3.59)36.27 (1.05)7.54 (0.69)5.55 (0.10)4.98 (0.10)2.82 (0.06)3.18 (0.05)6.60 (0.36)51.86 (7.34)8.15 (0.55) |

Expectations were based on multiple daily measurements of temperatures over the last twenty years (2000-2020); data were obtained from weather stations present in areas of the central region of the Cerrado. \*Time in hours. Numbers in parents represent standard deviations.