**Table 1a.** Generalized linear mixed effects model comparison; main effects included length of time seedlings were in the ground, fenced or unfenced treatment, and seedling species, as well as a treatment by species and a treatment by time interaction. The best fit model did not include a treatment by time interaction, indicating that the effect of treatment did not depend on the growing time duration for seedling species.

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Number of parameters** | **AICc** | **ΔAICc** |
| Treatment, species, time, treatment:species | 31 | 593.59 | 0 |
| Treatment, species, treatment:species | 13 | 612.89 | 19.3 |
| Treatment, species, time, treatment:species, treatment:time | 49 | 664.25 | 70.66 |

**Table 1b.** Generalized linear mixed effect model comparisions; each of the six species was considered separately. For each species, a model including treatment (ungulates or no ungulates) was compared to a null model.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | **Species** | **AICc** | **ΔAICc** | **AICc weight** |
| With treatment | *Carica papaya* | 121.13 | 0 | 1 |
| Null | 155.81 | 34.68 | 0 |
| With treatment | *Psychotria mariana* | 78.39 | 0 | 1 |
| Null | 100.51 | 22.12 | 0 |
| With treatment | *Morinda citrifolia* | 106.27 | 0 | 0.98 |
| Null | 114.55 | 8.27 | 0.02 |
| With treatment | *Premna serratifolia* | 86.4 | 0 | 0.98 |
| Null | 94.17 | 7.77 | 0.02 |
| Null | *Aglaia mariannensis* | 79.36 | 0 | 0.56 |
| With treatment | 79.88 | 0.52 | 0.44 |
| Null | *Ochrosia oppositifolia* | 46.22 | 0 | 0.8 |
| With treatment | 48.94 | 2.72 | 0.2 |