

**Figure 1**. Location of the study site, a water reservoir in Severínia, São Paulo, Brazil.



**Figure 2**. *Macrobrachium amazonicum* (Heller 1862). Embryonic developmental stages: [A] Early, [B] Intermediate and [C] Late.



**Figure 3**. Monthly variation of rainfall and water temperature, from May 2017 to April 2018, in Severínia, São Paulo, Brazil.



**Figure 4**. *Macrobrachium amazonicum* (Heller, 1862). Relative frequency of ovigerous females (OF) and non-ovigerous females (F), from May 2017 to April 2018, in the water reservoir of Severínia, São Paulo, Brazil. The numbers above the bars indicate the absolute number of OF + F per month.



**Figure 5**. *Macrobrachium amazonicum* (Heller, 1862). Relationship between female fecundity and carapace length (CL), by [A] embryonic developmental stages and [B] season.