

**Figure 2:** Map of the study area located near Sinop, Mato Grosso, Brazil. Sinop is an urban area (shown in maroon on the map) with more than 160,000 people in 2015. The remainder of the landscape is described by a matrix of closed-canopy forest, cerrado scrublands, croplands, and cattle pastures. Our study sites and a 2500-m circular buffer are shown in black. This study area map was created using 2015 LULC map of Mato Grosso from MapBiomas (*Project MapBiomas - Collection 5.0 of Brazilian Land Cover & Use Map Series*, 2020). The inset map shows the Amazonian biome (shaded green) as it extends across northern Brazil with the location of our study area indicated by the black square. This map was sourced from IBGE (Instituto Brasileiro de Geografia e Estatística) from the *geobr* (Pereira & Goncalves, 2020) package in R.

