

Sympetrum frequens Revival Project II

Tatsuno City is known for the nursery song “*Akatombō*”. It is said that the song was modeled after *Sympetrum frequens*, the red dragonfly. Recently, the number of these dragonflies has been decreasing all over Japan, and they were designated as a Red Data monitored species in Hyogo Prefecture in 2011. As a part of the red dragonfly preservation project, we researched how long red dragonfly eggs can be preserved by refrigeration. Additionally, we researched which organisms make the best food for red dragonfly larvae. All of this was an aim to develop a manual for artificially raising these dragonflies. For our results, the hatching rate of red dragonflies remained high until November. After that, the hatching rate dropped. In our food experiment, it was observed that Chlorella (green algae) and Euglena had the highest survival rates, making them the most available food for red dragonfly larvae.