

9. Maintenance: Irrigation Systems

Fight against “zebra mussel” (*Dreissena polymorpha*) in irrigation systems in urban parks



Zebra mussel built colonies off thousands of members blocking pipes



It cost thousands of € to change or clean pipes after infection



What do we do?

- Two months treatment (When there is no irrigation in winter)
- Empty all the pipes of the park (For 10 days). Leave air inside the pipes, no water.
- Fill it with “Oxipremiun 15” (hidrogen peroxide CH_2O_2), To kill 100% adult mussel and dissolve shell. 1 part to 1000.
- Leave the hidrogen peroxide inside around 20 days.
- Empty pipes again (No toxic), fill the pipes with fresh water and you can irrigate again knowing there are no new mussels inside the pipes.
- If you do this every year you will not have problems with this mussel

Example of irrigation pipes full with zebra mussel (*Dreissena polymorpha*). After 3 years all the installation is ruined, so you need to work every year to prevent this things

