

Algae prevention in the irrigation pond

Tree nursery LUX, Bannewitz near Dresden, Germany

„Thread algae are no longer present“



Baumschule LUX (Tree nursery)

<https://www.baumschule-lux.de/>

Operation

1 Irrigation pond with 4,500 m³
and 1 OLOID Type 400

Period

Since 2019

Success

No algae formation
No filter clogging

Brief description of operation

The LUX tree nursery, just outside Dresden, specialises in the cultivation of well-known and rare trees. 80 % of the products are sold to private individuals. To irrigate the crops, the rainwater is collected in a basin and partially supplemented by well water. Furthermore, the excess irrigation is collected again and pumped into the pool. Some of the crops are also liquid fertilized, which leads to nitrogen input into the water basin.

OLOID-operation

The above-ground storage basin covered with pond liner has a volume of approx. 4,500 m³. Due to the nitrogen input, thread algae grew massively, which clogged the suction filter in the water basin. Cleaning the suction filter was a major maintenance effort, especially in summer 2018. In 2019 an OLOID Type 400 A was used as a test, which prevented the thread algae. The LUX nursery then decided to purchase the OLOID.

Success

The OLOID Type 400 was fully immersed (the agitator is 100 % under water). The thread algae were prevented by the flow which covers the entire pool. In the photo, which was taken shortly after the installation, you can still see a dense layer of waterweed, which will no longer occur in the future due to the flow of the OLOID. By suppressing the thread algae, the suction filter was only cleaned during routine checks. It was also possible to achieve a significantly higher water throughput.

*The OLOID was recommended by our partner **Partner Hermann Meyer KG**.*

