

Algae prevention in irrigation pond

Horticultural business "Auerbach", Schildau, Saxony, D

"A second OLOID brought the desired positive effect!"



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Operation in a

irrigation pond, max. 2,500 m³

(L x W x D: 70 x 12 x 3 m)

2 x OLOID type 400

Period

since 2015 1st OLOID 400

since 2021 2nd OLOID 400

success

prevention of further algae growth in 2021 and a better water quality

description of the operation

The Auerbach nursery has been in its fourth generation since 1882 and employs around 12 people. It's a moorland plant business with 10 hectares of container space and approx. 11,000 m² of heatable greenhouse space. The range consists of calluna and erica. The environmentally friendly cultivation takes place according to the guidelines of the GlobalGAP. The company's customers are supplied from August to October.

for OLOID use

The irrigation pond with a maximum capacity of 2,500 m³ is fed by groundwater. The pond depth is 4 m at the deepest point. The water level is constant throughout the year. In 2021 the pond was desludged and then the first OLOID type 400 was installed again. Unfortunately, due to the geometry of the pool, no full mixing was achieved. The growth of a rapidly forming thread algae in the edge area could only be slowed down by installing a second OLOID 400. Both OLOIDs now achieve a full mixing of the complete water. The agitators work ¾ submerged - so some oxygen is also swirled in.

success

The water is circulated in the pond in such a way that all pond zones are reached. After installation, there were no more algae in the edge areas, the water filters are protected, and the water quality has stabilized due to the movement of the water.

*The first OLOID was recommended by our partner **Hubertus Beutler**.*

