OLOID Solution GmbH

Algae prevention in irrigation ponds

Vegetable gardening Swissradies, Ried near Kerzers, Switzerland

„Algae, moss and plankton are absent“

Vegetable gardening Swissradies
http://www.swissradies.ch/

Operation
1 irrigation pond with 200 m³
with 1 OLOID Type 200

2 irrigation ponds with each 400 m³
and each 1 OLOID Type 400

Period
Since 2001 / 2004 / 2014

Success
No algae growth

No filter clogging

Short description company
(more details on www.swissradies.ch)
The operation of Swissradies, which emerged from its predecessor Barth & Brandt in 2013, cultivates predominantly IF*-grade radishes in greenhouses covering an area of 3.75 ha. The products are sold to larger trading companies representing the various retailers to supply it. The roofs of the greenhouses are partially equipped with photovoltaic systems, such that the company, in terms of electricity, is in the end self-powered. To irrigate the crops, the rainwater collected in three basins is used. In the course of the company's history, these basins were built one after another as part of the expansion of the operational area (2001, 2004, 2014).

*Integrated Farming

OLOID-operation
When the company was founded by Barth & Brandt in 2001, a basin with a volume of 200 m³ was built, whereby an OLOID Type 200 was immediately used to prevent algae. Since the effect of the OLOID was convincing, an OLOID Type 400 was added in 2004 when building a second, now 400 m³ - basin. In 2014, as part of the expansion of operations, a further 400 m³ - basin was built and equipped with an additional OLOID Type 400. The 3 OLOIDS run since their commissioning 24 hours a day and 365 days a year. The annual maintenance of replacing the various bearings of the equipment and checking the integrity of their other components, which ensures the longevity of the equipment, follows from continuous operation.

Success
Each OLOID is positioned in such a way that the flow, generated by it, covers the entire volume of water. 80% of the stirring bodies of the OLOIDS are submerged in the water so that, in addition to the circulation, there is also a slight fan effect. Since the OLOIDS were installed at the same time as the construction of the basins, algae grow did not occur from the very beginning. Moss and plankton are also absent. Thus, no clogging of the filters take place. The operation is therefore successful in every respect.

The 3 OLOIDS were recommended and installed by our partner GVZ-Rossat.

OLOID Solution GmbH
W.-Winkler-Str. 3 | D-04178 Leipzig | mail@oloid.de | www.oloid.de