

### NG Biyoteknoloji Microbial Algea Remover





## **Microbial Algae Remover Trials**

### **Mersin Irrigation Union, 2017**

Irrigation canal treated with copper sulfate through the season





Irrigation canal treated with NGB's Microbial Algea Remover

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### Mustafabeyli Irrigation Union, 2017



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## **Product Benefits**

- Copper sulfate treatment is the most common method for removing algae in irrigation canals.
- Although copper sulfate eliminates the algae problem in a short time, the degraded algae mass leads to water and energy losses due to the clogging in the canals, lids, tunnels and dripping systems.
- Clogs in the dripping systems and in the intermediate channels bring extra cost to the farmers by causing product losses due to flooding and cause disputes between farmers.
- Additionally, as copper sulfate provides temporary solution to algae problem, the treatment has to be repeated several times during the season thus, increases the labor costs of the unions.

## **Product benefits**

- NGB's Microbial Algae Remover;
  - \* Prevents the algae growth.
  - Therefore, reduces the cost of canal cleaning costs (excavator, labor, fuel, etc.) and time at the end of the season.
  - The algae problem is eliminated by two applications in total, once after the pre-season cleaning and once in middle of the season.
  - \* Moreover, the product cost per meter is less than copper sulfate.

## **Application Method**

### Pulverization:

- ✤ We recommend spraying the product to the canal walls after the pre-season cleaning.
- This application method will ensure the best results with minimum amount of product, as well as it guarantees the first half of the season runs smoothly.
- All surfaces of the drained canals should be rinsed with 1 to 200 diluted product. It is also recommended to wait at least 24 hours after application to let the bacteria to embed in to the cracks of the canal walls.

# **Application Method**

### Direct Canal Application:

If the irrigation canals can not be drained fully, 10 liters of product should be applied to approximately 5000 m<sup>3</sup> of water bodies (approximately 3 km intervals in the canals) and then the canal gates should closed to let the water pooled between the gates. It is recommended to wait at least 24 hours after application.

### Product content:

The product contains two indigenous bacterium species isolated from the soils suffering from algae problems in our laboratories.



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