

## Case Study

# Storage Pond Cleaned

HydroBoost technology cleaned 'dirty' pond within 3 weeks of operation



**Warren built a 4 ha irrigation storage pond during the conversion to dairying with the objective of having at least one months water storage available at all times, however it became dirty.**

Warren has a dairy farm in the West Eyreton area of Canterbury and extracts water via the Waimakariri Irrigation Limited scheme to a storage pond. The scheme has a consent to take water from the Waimakariri river, though at times, the river can be placed on restriction either when the river flows are low or ironically, then the flow is too high. Therefore many farmers have made strategic decisions to construct storage ponds enabling them to have irrigation capability when the river is on restriction.

A HydroBoost unit was installed on a floating raft in 2015. In addition, there were hundreds of ducks residing on the pond which added to the level of pollution. The HydroBoost unit was dropping the silt from the water race within 20m of entry into the pond. While operating over a period of two years, the water stayed perfectly clean.

However, unknown to the farmer, the raft which hosted the HydroBoost unit was beached for a period of twelve months and not operational in the pond. Over this time, the water went from clear to a rough dirty

brown. When a check was initiated, a few minor repairs were made to the raft and the HydroBoost device launched back into the pond.

When the device was turned back on, the water changed from the dirty brown to clear blue within three weeks. The farmer noted the clean water and was very excited. Like most farmers taking care of the environment is important. Warren's objective is to keep the pond clean and healthy – in addition, he believes it helps the grass grow better, (though it still requires further investigation) and has vowed to keep the unit operational.

Photo taken on the 24th Dec 2019 before the unit was operating in the pond



Photo taken on the 17th Jan 2020 three weeks after the unit was operating in the pond





Repairing the raft for the HydroBoost product

## The HydroBoost Story

HydroBoost is a New Zealand based company committed to providing products and solutions which are in harmony with the environment.

The business started with the founder, Michael Richards, (who started farming in the Rakaia Gorge during the late seventies) when chemical sprays affected his health and he was forced to look at alternative methods.

While investigating, Michael started applying less fertilizer and more natural products. The initial result for his first client was a 21% increase in growth. At the same time he combined energized water to further enhance growth.

The product was further developed with a number of trials undertaken at farms throughout the South Island. The trials proved that Michael was on the right track and anecdotally, farmers provided positive feedback on the improvements and changes in their pasture or crops.

HydroBoost was formed, and developed the product that has been installed on a number of farms to increase growth, reduce disease and clean water ways in partnership with the land.

## Other Uses for HydroBoost

The HydroBoost technology can be used in a variety of areas;

### Pond Cleansing

The product has been used to clear and cleanse water in storage ponds and at the same time, the energised water can improve grass growth when applied to pasture.

### Stock Water

The product has been used to energise drinking water with very good results, (see the other case study detailing how cell count dropped from 100,000 to 200 in 3 weeks). In addition, the HydroBoost product can improve the health of other stock units reducing disease and increasing productivity.

### Plant Growth

The HydroBoost technology can also be used to assist growth of trees, gardens and other horticultural vegetation.



**Call Michael on 027 443-8389 for a discussion around how we can help your business grow more**



## HydroBoost Technologies

**Michael Richards**

**mob: 027 443-8389**

**email: michael@hydroboost.co.nz**

**web: www.hydroboost.co.nz**

<https://hydroboost.co.nz/>