

Case Study

More Grass Growth

HydroBoost technology boosted Brix and Grass Growth by 16% to 20%



The HydroBoost technology increases pasture growth without adding any non natural chemicals to the ground. It is in harmony with the environment and can provide some significant productivity gains.

Harry Miejer, a dairy farmer in Canterbury, was approached by HydroBoost to see if the technology would perform on a large scale.

A pilot trial was established with a towed pivot that was moved from one centre point to another. The area covered was approximately 60ha in the Waimakariri Irrigation area, (just north of the Waimakariri River in Canterbury).

The Hydro Boost unit was installed on the central pump which provided water to both pivot points. For the purpose of the trial, only Hydro Boosted water was sent to the area called Energised, (approximately 30ha with an average 5 day rotation), then the pivot was towed to other second point for 5 days called Non Energised. Each area was irrigated once every ten days with the objective being to compare the grass growth between the two areas.

While the soils in both locations were similar at the start of the trial – they weren't at the end. There were marked differences. The dry matter was measured with an electronic probe between weekly and bi weekly time spans. At the same time, the Brix measurement was captured.

Significant Results

- A 16% to 20% increased grass growth
- Increase in Brix
- Less variation in Soil Moisture and Soil Temperatures
- A reduction in water use or a more efficient result from the water use

The Energised area had a higher Brix (a measure of sugars in plants which translates to more milk) measurement than the non Energised area.

“Although I couldn't see it, I had enough faith to put a 100 ha system in”

Harry Miejer, a dairy farmer in Canterbury



The biggest notable difference that the maximum and minimum soil temperatures did not vary as much, where the HydroBoost water was applied. This ensured an improved environment for grass growth in the high stress parts of the summer periods and especially in the shoulder seasons of autumn and spring.

In the words of the farmer, "Although I couldn't see it, I had enough faith to put a 100 ha system in".

The farmer installed another HydroBoost device and is experiencing the benefits of the product while decreasing input costs all in a natural way that is in harmony with the environment.

He now has 160 ha of energised land that should improve his bottom line.

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

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 energised 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.



HydroBoost Technologies

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