Roam Technology

CASE STUDY

AGRICULTURE

Lettuce cultivation
The Netherlands

the Challenge

Quality issues

the Results

The irrigation water is disinfected by dosing **minimum 20 ppm Huwa-San TR-50 AGRO (20 ml Huwa-San TR-50 per 1000l water)** into the irrigation water.
The owner of the horticulture company noticed that the roots of his lettuce plants grew much better. Since the Huwa-San technology is based on (stabilised) hydrogen peroxide, it not only disinfects the irrigation water, but it also adds oxygen to the water, which improves root growth in the lettuce plants, as can be seen in the next illustrations.

Roots in water WITH Huwa-San TR-50 (left) and WITHOUT Huwa-San TR-50 (right).

ATP values in the recycled water AFTER addition of Huwa-San (left, 6 pg/ml) and BEFORE addition of Huwa-San (right, 918 pg/ml).

the Primary Benefit

The implementation of Huwa-San improves product quality and yields by virtue of improved rooting of lettuce plants.

the Secondary Benefit

Huwa-San is safe for the end-user, easy to be applied and highly eco-friendly as it decomposes into water and oxygen.
On top of that, Huwa-San has no impact on the taste, colour or odour of the lettuce.

the Return on Investment

Huwa-San improves crop yields and product quality, resulting in greater profits.

the Return on Environment

Huwa-San is 100% biodegradable and has no toxic breakdown products. Further, it is easy to handle and safe for the end-user.

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Huwa-San®
A sustainable way of disinfection