



Roam Technology

CASE STUDY

AGRICULTURE

Phomopsis sclerotioides in cucumber - Belgium

the Challenge

Production losses and quality issues due to black-root spots on cucumber.



the Results

The owner of a horticulture company, located in West Flanders (Belgium), grows cucumber on coconut substrate, and watering of the plants is done by drip irrigation.

The water is filtered naturally by a sand bed and it will be reused afterwards. The major problem with this technique is that *Phomopsis sclerotioides* can pass through the sand filters, resulting in contamination of the irrigation water, causing black-root spots on cucumber. Therefore disinfection of the irrigation water is necessary. Addition of a **Huwa-San TR50 AGRO solution at a concentration of minimum 20 ppm (20 ml Huwa-San TR50 AGRO per 1000l water)** to the recirculation water is sufficient to eliminate *Phomopsis* contamination, producing in cucumbers of better quality and higher yields.



Illustrations of cucumber plants grown on coconut substrate (left). Watering of the plants is done with drip irrigation (right).

the Primary Benefit

By introducing Huwa-San, contamination of *Phomopsis sclerotioides* is completely eliminated, resulting in higher cucumber yields and improved product quality.

the Return on Investment

Huwa-San eliminates *Phomopsis sclerotioides* contamination completely, resulting in higher cucumber yields and improved product quality.

the Secondary Benefit

Huwa-San is easy to be applied, safe for the end-user and very eco-friendly due to its harmless breakdown products (water and oxygen).

Huwa-San is also a colourless, tasteless and odourless disinfectant, thus it has no impact on the properties of the end-product.

the Return on Environment

Huwa-San is highly eco-friendly as it decomposes into water and oxygen, two harmless breakdown products. It also provides waste reduction.