



Roam Technology

CASE STUDY

AGRICULTURE

Paprika cultivation The Netherlands

the Challenge

Fusarium infection on the cut edges of the plants, high stress of spores in the air, 5%-10% production losses (€ 50,000 per harvest period).



the Results

The company was using a copycat product to treat irrigation water. With second generation ATP measurements, we were able to prove that the irrigation system was badly fouled with biofilm.

A comparative parallel test was set up with incumbent product and **Huwa-San TR50** (Huwa-San 50 AGRO). The Huwa-San treatment was superior compared with the competitive incumbent treatment. With the Huwa-San treatment, residual levels remained stable at **20 to 40 ppm** at the end of the irrigation system, which was confirmed in a second generation ATP measurements.

The company applies Huwa San for three applications to control the microbiology.

Fogging

Pulsfog (Horticoop), 100m reach – Twice a month with a **8% (vol.%) Huwa-San TR50 AGRO** solution

Irrigation water

Maintaining **20 to 40 ppm of Huwa-San TR50 AGRO** in the irrigation water. 30% is recovery water and 70% is rain water.

Foliar

Twice a year with a **2% (vol.%) Huwa-San TR50 AGRO** solution – with a T-jet system sprayed on the cut edges of the paprika plants. Small and young plants are not sprayed

the Primary Benefit

Improved harvesting yield 5%-10%, worker's time and paprika quality.

the Secondary Benefit

Reduced maintenance – improved focus on production.

the Return on Investment

€ 50,000-, improved production, reduced house-keeping.

the Return on Environment

Reduced use of pesticides, reduced water consumption.