



Roam Technology

CASE STUDY

AGRICULTURE

Apple production Poland

the Challenge

Quality issues and product losses due to bark and tree diseases in apple cultivation.

the Results

An orchard located in the Masovian Voivodeship in Poland has problems with bark and tree diseases (*Nectria galligena*) in their apple cultivation, especially with the species Champion and Idared.

Nectria galligena is a fungal plant pathogen which causes cancers in fruit trees, resulting in lower product yields and more product losses.

Bark and tree diseases worsened and each year, more and more apple trees were attacked, leading to more product losses and low yields, despite the use of plant protection products (benzimidazole and copper based products).

In the beginning of the growing season of 2013, the owner started to test Huwa-San TR50 AGRO in order to optimise the product quality and to improve the yields.

Two treatments were made in the spring of 2013. The first immediately after cutting and the second in phase of pink buds. The third treatment was performed after harvest (after leaves falling).

In all of these treatments, a **0.2% (vol.%) Huwa-San TR50 AGRO solution** was sprayed on the product. This is equivalent with **2l Huwa-San TR50 AGRO per 1000l water**.

The owner is very happy with the results. Since the implementation of Huwa-San TR50 AGRO, bark and tree diseases have stopped and do not spread further. The owner sees a big difference in reducing of spread of pathogen after applying Huwa-San TR50 AGRO compared to previously used products.

the Primary Benefit

After applying Huwa-San, bark and tree diseases have been stopped, resulting in improved product quality, less product losses and higher product yields.

the Return on Investment

The introduction of Huwa-San leads to higher product yields and improved product quality, resulting in greater profits and less waste.

the Secondary Benefit

Huwa-San is easy to be applied, safe for the end-user and highly environmental-friendly. Huwa-San decomposes completely into water and oxygen and is 100% biodegradable.

the Return on Environment

Huwa-San provides a waste reduction (less product losses) and it leaves no residual in the end-product.

Further, Huwa-San decomposes into water and oxygen and is therefore considered very eco-friendly.

