

Cultivation without fungicides / Swabians develop sustainable concept for healthier fruits and vegetables

They are pioneers in nano and picotechnology and have used this technology to implement their vision of growing our fruits and vegetables without residue from pesticides and bringing them into German kitchens.

Elmar Buder, born in Austria and Prof. Dr.-Ing. Martin Heinisch, both Managing Directors and partners of the company B + H Solutions GmbH in Remshalden near Stuttgart (Baden-Württemberg), have found the missing piece of the mosaic for sustainable plant cultivation together with their team of scientists.

"We noticed in long series of experiments," explains Prof. Heinisch, "that trace elements are the indispensable basis for the health and performance of plants. Symptoms such as susceptibility to infection, lack of firmness and low growth are also and especially caused by the lack of trace elements. If the supply of the necessary trace elements is ensured, each individual cell of the plants can perform optimally and the plants are vital and strong. "

It's like in a kindergarten in which the same children always get sick and the same children stay healthy when the flu comes: the immune system is strong in one group, weakened in the other. It is the same with plants: strong, vital plants with a functioning immune system are not an interesting host for plant pathogens. The concept of B + H is based on this - with the help of colloidal metals and minerals, the plant develops its own immune system properly.

Elmar Buder: "In 2008 our team succeeded in proving that silver particles change the wavelength of the incoming light on the plant and that therefore more chloroplasts are active (note: chloroplasts are the power plants in the plants) and thus photosynthesis is increased. As a result, more carbohydrate is produced and the plant is bursting with energy. Colloids made of copper, iron and a special calcium-magnesium fertilizer enhance the effect. "

B + H products are now successfully used in 120 countries. The farmers benefit from significantly less until there is no need for fungicides at all and consequently no chemical insecticides (pesticides). Consumers buy fruits and vegetables that are completely pesticide-free or at least significantly less contaminated.

Rolf Allemann, owner of a large nursery for roses and geraniums in Witterswil (Switzerland): "We were able to reduce the plant protection products by a third. Problems such as mildew no longer occurred. The roses are bigger and heavier, the durability of cut roses increased by three days."

Hans Graf of Feldhof Gemüsebau sums up: "In the past we had a failure rate of around 50 percent in lettuce and other sensitive vegetables - today this has been reduced to zero by using the concept with liquid fertilizer."

What is particularly important to the two Swabians: "Our substances are fertilizers according to the EC regulation 2003/2003, they are not pesticides and are absolutely harmless to insects."

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