25.08.2020 – 13:10 Uhr

Sad reality: Climate change is costing us billions / example of hail damage in agriculture - and the solution

Stuttgart (ots) - The discussion about whether there is climate change or not is superfluous; scientists, meteorologists and, above all, our farmers know it: long ago it became a reality!

With sad irony, the president of the General Association of the German Insurance Industry, Dr. Wolfgang Weiler says: "when floods after heavy rains are replaced by weeks of drought with catastrophic damage to crops, then it is summer in Germany!"

Floods, damaged roofs, downed trees, wrecked cars; all these calamities are not good for those affected. In most cases, the properties are insured and they will be repaired. Financial damage to the owners is often covered.

With farmers, it is another story. Elmar Buder, General Manager of B + H Solutions GmbH, located in Remshalden, near Stuttgart, knows many farmers who can no longer be insured against hail damage. Insurance premiums in agriculture are immensely high, especially in southern federal states such as Baden-Württemberg and Bavaria. Producers of fruits and vegetables, winegrowers and farmers, are affected by more and more frequent damages. A hailstorm destroys valuable labor and food in a few minutes.

The damage caused by extreme weather conditions, such as hailstorms, in agriculture alone is now more than 500 million euros a year (!), which damages both the foliage and the branches to such an extent that the plants enter into shock and it takes a long time for them to recover. During this time, harmful organisms such as fungi and bacteria affect the weakened plants. Producers often decide to plow the land, which is not always necessary because as long as there is still a small mass of leaves, the crop can be saved.

B + H Solutions has developed a concept that provides important trace elements to damaged plants and is capable of revitalizing them in a few hours. The agent is called "AgroArgentum" and has been patented by the European Patent Office in Munich under the number EP 3 205 637 B1. Its mode of action is to increase the performance of photosynthesis, as documented in one study of the "Journal of Biotechnology"; with enhanced photosynthesis, rapid recovery of plants and associated growth is achieved. In this way, affected fruit, vegetables, grapevine and ornamental plants producers can reduce the damage and save a large part of the harvest.

Vegetable growers in Germany, Austria and Switzerland have had positive experiences already. The photos below show an example of green beans in the Swiss Rhine Valley that were initially almost completely destroyed by hailstorms in late July 2020, and rescued in two and a half weeks thanks to the concept of the Swabian inventors.

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Multimedia content

July 28th, 2020: After the storm, a foliar treatment was carried out with 150 ml of AgroArgentum® Bor and 50 ml of AgroCyprum® with 300 liters of water per hectare. Additional text via ots and www.presseportal.de/nr/134071 / Use of this image for editorial purposes is free of charge. Publication, cite the source: "obs/B + H Solutions GmbH"

August 6th, 2020: After treatment, hail-damaged plants regenerate significantly. Additional text via ots and www.presseportal.de/nr/134071 / Use of this image for editorial purposes is free of charge. Publication, cite the source: "obs/B + H Solutions GmbH"

August 14th, 2020: Two and a half weeks after the hailstorm, the plants have fully recovered with the help of the patented fertilizer. Additional text via ots and www.presseportal.de/nr/134071 / Use of this image for editorial purposes is free of charge. Publication, cite the source: "obs/B + H Solutions GmbH"

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