It’s not pretty …

... but it has massive potential
A worldwide problem

Food rotting in the field and further down the supply chain is an all-too-common sight. More disturbingly, the Food and Agriculture Organization (FAO) estimates that approximately one third of global food production – worth around USD 1.66 trillion – goes to waste annually. Fungal pathogens on perishable foods such as fruits and vegetables during pre- and post-harvest phases are estimated to account for losses of up to USD 30 billion annually.

At present, chemical fungicides are widely used in the agricultural industry. Many of these products have a detrimental effect on human and animal health and are consequently forbidden in countries such as Switzerland, Germany, France and the UK. At the same time, public sentiment to ban chemical pesticides has hardened. Despite efforts to develop organic protection, there are still no effective methods of combatting the fungal pathogens that infect large groups of crops. During the pre-harvest phase, existing treatments need to be applied every 10 days, and they are, on average, only 40% effective. To date, there has been no approval of available natural fungicides.

Owing to the narrow spectrum of their antifungal activities, current natural treatments prevent the development of only 3 to 5 fungal species of the 20 to 30 widely found in storage facilities.

It all amounts to a formidable challenge. But, fortunately, there is an solution. It will benefit players in the food industry. And could well represent an unusual opportunity for the far-sighted investor.
Surmounting the challenge

AgroSustain aims to reduce food waste and promote sustainable agriculture by developing natural solutions for pest management.

AgroSustain intends to be a one-stop shop solution for managing fungal pressure all along the value chain. The problem with fungal infection is that it starts during production and continues to have a strong impact during the post-harvest phase, as it becomes visible. In order to fight fungi more efficiently, all stakeholders along the value chain need to work together.

Apart from providing natural antifungal treatments, AgroSustain has developed multiple solutions suitable for use all the way down the value chain. We start with methods for identifying fungal pathogens, and then provide suitable treatments, thus reducing the pressure from over-application of chemical fungicides.

The AgroSustain approach in a nutshell

Drawing on the expertise of its employees and access to unique databases, AgroSustain specializes in identifying and treating multiple kinds of fungal pathogens. With a B2B approach all the way down the supply chain, from farm to consumer, it offers a natural way of detecting and eliminating fungi on vegetables and fruits.

AgroSustain aims to sell its products through well-established distributors in the AgriTech market without competing products in their portfolio. This will complement their offering and, at the same time, continuing to build the AgroSustain brand.
What sets us apart

AgroSustain offers a raft of benefits that appeal to producers, distributors, wholesalers, retailers and consumers. Which makes us interesting for investors like you. We are

| enabling genetic identification of pests present in the field and storage (since 2019) | starting with paid pilot trials with natural fungicide of AgroSustain (from 2021) | working on entirely natural and novel solutions for treating mold (from 2022) |

Ultimately, we have a massive impact on more sustainable farming because we help to:

- drastically cut food waste
- reduce CO₂ emissions
- safeguard the quality of drinking water
- maintain precious microfauna ecosystems
- avoid deterioration of soil quality and
- substantially boost food quality
- guarantee a supply of healthy food with no chemical residues