

**Agri Samplers Ltd partnered with Rothamsted Research  
to design the  
DNA and LFD Auto Spore Trap**



The Auto Spore Trap was designed using an Innovate UK grant, which allowed Agri Samplers Ltd to partner with Rothamsted Research.

Through this partnership, Agri Samplers Ltd have designed the DNA and LFD Auto Spore Trap.

This Trap can take an air sample then automatically analyse the sample by performing a number of DNA LAMP and LFD Assays. The results are then sent using 4G and Amazon IOT to a SpraySaver™ web site where they are modelled with weather data to forecast disease. Growers are informed by email and TXT allowing them to make accurate spray applications.

This ground breaking new system can allow growers to reduce unnecessary spray applications. This can result in huge savings for growers. A number of units are now in a second year of field trials with Bayer a large Agrochemical Company.

The number of pathogens it can detect is continually expanding.

Agri Samplers is now partnered with Rothamsted Research. In a Project funded by Innovate UK and Defra. Through The Farming Innovation Programme.

New project PathoScout is to reduce LAMP assays into a micro fluidic chip format.

This will enable a simple portable analysing unit to be available to growers.

For more information contact **Agri Samplers Ltd** • [www.agri-samplers.co.uk](http://www.agri-samplers.co.uk)