

## **In agriculture, it's always "no time to waste": and drone technology must be prepared for that.**

One of the most innovative technological solutions for precision farming is the use of drones in monitoring crop data and on-field applications, which is why drones are our perfect companions in site-specific farming. HRP Europe Kft., the Hungarian distributor and European distribution center of DJI drones, shows how drones support farmers in precision farming.

*"There's never any time to waste in agriculture, where even the slightest delay can lead to serious crop losses. Now it's time for drone technology: researchers, professionals and traders are working to make drone monitoring and application work for farmers."* - says **Ferenc Damak**, head of the air- and remote sensing business branch of [HRP Europe Kft.](#)

The company has been a key market player since the 1990's, its main activity is IT-related distribution, and it has been distributing DJI industrial and agricultural drone solutions in Hungary since 2017. Since last year it has even become the European distribution center for agricultural DJI drones. In DJI, the area which shows the most dynamic development is the area of agricultural drones, both for application and monitoring. Accordingly, HRP Europe also places the greatest emphasis on remote sensing and application solutions.

"We see a great opportunity in the European Precision Management Conference taking place in Budapest, and we are curious to hear about the innovations and research results in robotics and drone technology."



## Drone monitoring and spraying in practice

Drone monitoring is already possible in Hungary using European rules: the rules for obtaining the necessary certificates have been defined, so after a mandatory exam and registration, with a drone of up to 25 kilos, anyone far from populated areas can take advantage of the technology.

But there is much more to it than that, because DJI products form a complex technological unit:

***monitoring, evaluation software, application, all in one drone.***

This system is suitable for data collection, the summary of the data and the preparation of the application plan based on this. The route of the drones can be programmed, obstacles such as groups of trees, hunter huts, etc. can be set manually, and the devices also have a 360-degree sensing radar system.

Drone application does not provide a solution to everything, but it will be unavoidable as an ideal complement to existing precision application devices in the future. Based on results taken under experimental studies, 10-16 hectares can be treated with a drone application device, and 70% of this can surely be carried out under average real-life conditions, too.

It is mostly in these cases that the application of drones will become indispensable:

- Spot treatment, if only a certain part of the agricultural field needs to be treated.
- If no field tramlines are available, drones can be used, thus avoiding trampling damage.
- Areas of stagnant groundwater or fields after heavy rains, which are otherwise inaccessible for heavy machinery, can also be treated.
- Drones will also play an important role if the height of the crop does not allow for conventional treatment.



## What is the next step in drone technology?

One of the great expectations of drone technology is the optimization of active ingredients for drone application. That is why special determination of the proportions of the solutions and the further sophistication of the description of active ingredients should be carried out in the near future.

*"I think it's important to emphasize that drone technology alone isn't enough to deliver outstanding yield growth. It also requires conscious planning, the collection of authentic data, their processing and then planning based on it."*

**HRP Europe Kft. offers complex solutions: it's tools, software, and consulting. Drone technology is the perfect partner for site-specific farming!**

