

Spray Quality Monitoring System

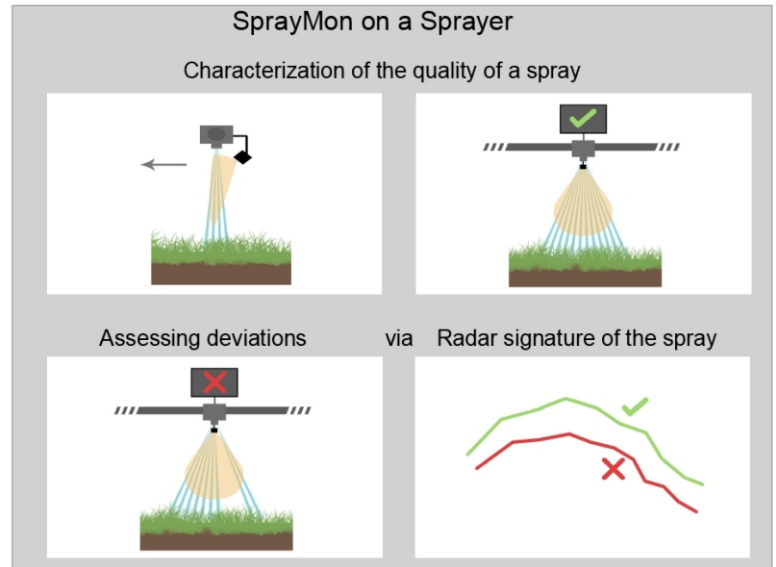


The **SprayMon** provides for a system monitoring the function and working quality of each nozzle of a sprayer.

Based on *SprayRay* sensors the **SprayMon** measures variations of spray quality of a nozzle in real-time.

- Assurance of the working quality while spraying
- Detection of deviation of the spraying pattern of a nozzle
- Contactless measurement
- Display in real-time
- Easy mounting
- Rugged designed *SprayRay* sensors
- Applied for European and US patent

The **SprayMon** does provide for the solution for monitoring function and working quality of the nozzles of a sprayer based on *SprayRay* sensors. Deterioration of spray quality of a nozzle is detected in the spray process in real-time. If deviation over- or undershoots a threshold set by the operator the **SprayMon** throws an alarm showing the respective nozzle number(s) on the **SprayMon** on-board computer.



Benefits:

- Radar signature characterizing the working quality of a spray over/under threshold
- Assurance of the working quality with optimization of function monitoring
- Detection and alarm if deviation of the spraying pattern of a nozzle
- Monitoring the switching off of nozzles e.g. while section control
- Detection of operating errors e.g. choosing the wrong nozzle on a multi-nozzle turret
- No influence on the spray since working contactless and being installed clear from the spray
- Robust *SprayRay* sensors, hubs and ECU for demanding application environment (IP69K)
- *SprayRay* sensors are unsusceptible against soiling due to the radar principle applied
- Can be flexibly adapted to the specific machine due to setup with hubs in a serial bus system
- Extended function if and when integrated in existing control systems e.g. with section control, single nozzle switching or PWM pulsed nozzles
- For different types of nozzles e.g. flat-, injector-, cone-, air supported nozzles
- Simple and easy mounting of the *SprayRay* sensors with an angular bracket
- No alteration or influence on the function of the machine

A Product of:



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