

PRESS RELEASE

New Innovative Technology on the Kverneland Field Sprayer Range

For More Sustainable Agriculture

August 2025 Nieuw-Vennep, The Netherlands



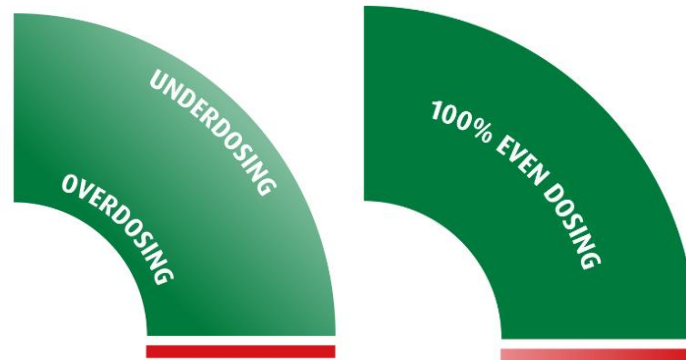
New innovations on the Kverneland Field Sprayer range for sustainable agriculture

By reason of increasingly strict environmental regulations and the growing demand for sustainable agricultural solutions, Kverneland introduces three innovative technologies on its field sprayer range: a Closed Transfer System (CTS), iXflow-Pulse (Pulse Width Modulation) and the advanced DAT Ecopatch patch spraying system. These innovations set a new standard in precision spraying, providing increased safety and environmental protection.

The chemical inductors of the Kverneland sprayer range are adapted to integrate CTS equipment directly at the filling station. CTS allows plant protection products to be transferred from the container to the sprayer tank in a completely closed system. This eliminates almost all user exposure and prevents environmental emissions during filling. Key benefits of the Kverneland Closed Transfer System include: no direct contact with plant protection products, significant reduction of point source contamination into air, soil or surface water by limiting the risk of product leakage during filling operation.

The Kverneland iXflow-Pulse (PWM system) takes care of stable spraying pressure over a wide speed range during variation in application rate. It ensures consistent droplet size and

coverage, regardless of speed and field conditions. With iXflow-Pulse with iXcurve there is a different output from the inner to the outer boom side, dependent on the boom speed, resulting in an equal application rate in every boom segment.



iXflow-Pulse with iXcurve – equal application rate in every boom segment

The DAT Ecopatch, all-in-one AI-vision system identifies weed patches and sprays Green-on-Brown and Green-on-Green in real time, at the push of a button, and is fully integrated on the Kverneland sprayers. The DAT Ecopatch system recognises and categorises weeds in fields with wheat, cereals and oil seed rape. When weeds are recognised by the camera, a signal is sent to the Kverneland field sprayer and the appropriate nozzles are activated. This results in optimisation of plant protection with minimal product usage.

With the Closed Transfer System (CTS), iXflow-Pulse and DAT Ecopatch system, Kverneland proves that innovative technology and sustainability go hand in hand. These solutions support farmers in meeting strict regulations, increasing operational efficiency and contributing to a future-oriented agriculture.

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Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services. Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery. For more information on Kverneland Group visit www.kvernelandgroup.com

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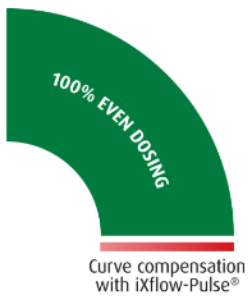
[Kverneland iXtrack T4 with DAT Ecopatch system](#)



[Kverneland Closed Transfer System](#)



[Kverneland iXflow-Pulse 001](#)



[Kverneland iXflow-Pulse 002](#)

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