

PRESS RELEASE

Kverneland iXflow-Pulse

The next level in precision spraying

November 2023 Nieuw-Vennep, The Netherlands



iXflow-Pulse – best crop coverage under changing conditions

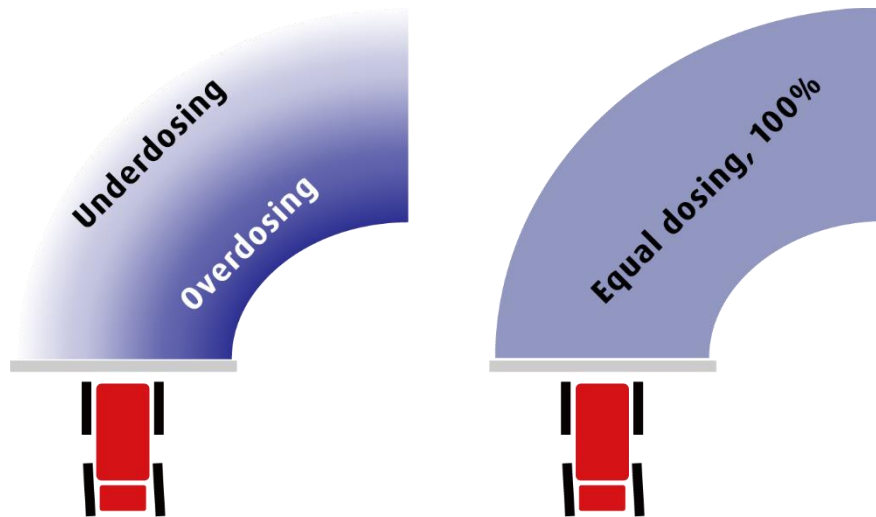
Kverneland is ready to introduce the new iXflow-Pulse – Pulse Width Modulation – system on the iXtrack T4, T6 and iXdrive S6 sprayer range in combination with the complete heavy duty HSS 30-40 metre spray boom range. iXflow-Pulse creates the most effective agronomical spraying due to an optimal balance between droplet size, crop coverage and water use, also under changing conditions of speed or application rate. iXflow-Pulse is the perfect add-on to increase precision in spraying for the professional farmer.

Optimal droplet size for maximum efficiency

An important factor in precision spraying is to keep a stable nozzle pressure and to find the best balance between droplet size, crop coverage and drift. This results in the optimal droplet size spectrum to reach the desired crop coverage, independent from changing speed or application rate. Dirk-Jan Stapel, Director Sales & Marketing Arable System Division says: “We are ready to announce that we will add iXflow-Pulse to our range of Kverneland spraying technology. iXflow-Pulse is creating a flexible and fast adjustable opening and closing time of the nozzles. When driving faster the opening time will become longer. When driving slower

the opening time gets shorter, but by using the iXflow-Pulse the right droplet size will be kept.”

He continues: “We have used the best components available on the market regarding durability, performance and experience. Operation is easy due to the integration of the Kverneland iXspray software and all benefits of iXflow-E circulation and individual nozzle control are included in iXflow-Pulse. Kverneland is ready for the next level in precision spraying!”



iXflow-Pulse – equal application rate in every boom segment

Stable spraying pressure

iXflow-Pulse takes care of a stable spraying pressure over a wide speed range during variation in application rate. For example, during speed variation at start/stop on headlands or slowing down during turning or when driving and spraying up or down the hill. During spraying in curves there is often overdosing or underdosing. With iXflow-Pulse 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. Another benefit is that the pressure and flow can be adjusted separately, and during operation. One nozzle can be used for a wider range of applications, which means less changes of nozzles required, saving time and increasing efficiency. There is also the ability to use lower pressure with the same nozzle in challenging or windy conditions.

In short, always the same droplet size, with a variance in spray liquid flow gives you the ability to have a perfect spraying pattern at every speed in every field.

The iXflow-Pulse system is prepared to do also variable rate per nozzle in future.

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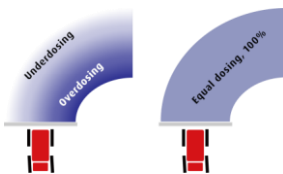
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[Kverneland iXtrack T4 with iXflow-Pulse](#)

iXflow-Pulse on the iXtrack T4 creates the best agronomical effect of spraying due to an optimal balance between droplet size, crop coverage and water use, under changing conditions of speed and application rate.



[Kverneland iXtrack T4 with iXflow-Pulse](#)

With iXflow-Pulse 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.

HC boom for flexible working widths and boom reduction to make spraying easier

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