

KVERNELAND FIELD SPRAYER RANGE WITH DAT ECOPATCH AI-VISION SYSTEM ONLY SPRAY WHERE NEEDED

INCREASED YIELD IN
UNSPRAYED AREAS

COST REDUCTION FROM REDUCED
HERBICIDE USE

SUPPORTING OPTIMAL
HERBICIDE CHOICE BY WEED
IDENTIFICATION MAPS

MAXIMUM USE OF
AVAILABLE SPRAY
WINDOW (24/7)

AUTOMATED SPRAYING
PROCESS - SWITCH-ON-
AND-DRIVE



NEW!

The DAT Ecopatch, the all-in-one AI-vision system available on the Kverneland field sprayer range, identifies weed patches and sprays Green-on-Brown and Green-on-Green in real time at the push of a button. Saving money was never as easy as this!

Only Spray Where Needed

The DAT Ecopatch system uses RGB-LED sensors to identify weed patches, sending a signal to the nozzles to spray only the patch. During operation, the Ecopatch system effortlessly finds the weed spots in the field, spraying only the targeted weed-species.

The Ecopatch system has the ability to not only recognize weed from crop, but also identify individual weed species. This allows new possibilities for targeted herbicide applications by using herbicides fitting only to the weeds that are identified by the system in the field.

Safe on Spray Liquid

With the DAT camera technology on a Kverneland sprayer, savings on spray liquid up to 58%* can be reached. Additionally, the non-sprayed areas will preserve healthy crop from unnecessary treatment, which means less crop damage and another benefit is the increased capacity, as more hectares or fields can be covered with one tank of spray liquid.

* 2024 DAT trails in canola

Easy to Use

Using DAT Ecopatch on a Kverneland sprayer is easy. It is just to activate the camera system by clicking a button on the IsoMatch Tellus PRO or GO+ or any other AEF certified terminal and the sprayer is ready to go! Automatically, the weed will be recognised and the nozzles are turned on and off. The data, such as as-applied data and weed heat maps will be directly available and can be used in combination with IsoMatch FarmCentre for example for further analysis.



DAT ECOPATCH SYSTEM

Camera

- 300k lux flash
- 90x80cm field view
- Rugged design

DeepWeedUnit

- Powerful processor
- Up to 12 cameras can be assembled
- Remote connectivity possible

AI model

- Recognition of weeds
- Works for cereals, wheat, barley and oil seed rape