

PRESS RELEASE

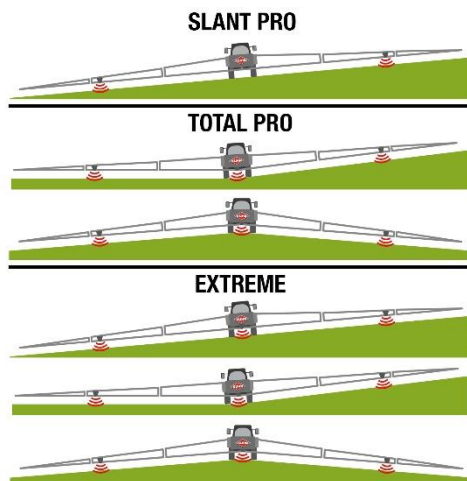
BOOM ASSIST ground following technology

Ground following evolves at KUHN

BOOM ASSIST is an electronic control system for booms. It is designed to maintain the boom at its target height and limit the risk of drift. Depending on the version, BOOM ASSIST is equipped with 2 or 3 ultrasonic sensors and the HYBRID technology which constantly scans the ground and the vegetation to distinguish real variations in topography from any gaps in the vegetation or lodged crops. With just 1 click on the ISOBUS terminal, the technology automatically adjusts height, slant, and variable geometry, independently, to position the boom close to the target!

Limit drift and optimise applications. The distance between the target to be sprayed and the spray nozzle is decisive for optimum application precision. If the boom is too high in relation to the spray target, product drift is more likely: the droplet must travel further and is therefore more subject to incidents. On the other hand, a boom positioned too low will not provide the triple overlap required to ensure uniform product application and will also increase the risk of losses through run-off.

Three versions for trailed sprayers. The KUHN range of trailed sprayers has evolved to include the EQUILIBRA suspension frame. Hydraulic shock-absorbing cylinders have been added alongside the springs on these machines to improve the responsiveness of boom positioning. Three versions of BOOM ASSIST are available for LEXIS and METRIS 2 trailed sprayers:



- BOOM ASSIST SLANT PRO: 2 ultrasonic sensors to control boom height and slant.

- BOOM ASSIST TOTAL PRO: 3 ultrasonic sensors to control height and correct variable boom geometry.

- BOOM ASSIST EXTREME: 3 ultrasonic sensors to control boom height, slant, and variable geometry.

These new versions are equipped with proportional valves for smoother, more precise and jerk-free boom movements, with additional shock damping for working at high speeds.

New investments. KUHN has recently invested in creating a test ground dedicated to this technology. The aim is to continue improving and measuring the performance of sprayers to ensure optimum spraying precision. The different versions of BOOM ASSIST benefit from an increase in performance with, for example, a 20% gain for SLANT PRO compared to the previous version.

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