

"Sensosafe": Use of Sensor-Based Wildlife Detection





Name of the Organisations Involved

- PÖTTINGER Landtechnik GmbH, Germany
- Supported by Innovation Farm in Mold, Austria

Challenges Identified

The mowing of the first green fodder cut often overlaps with the placement of fawns. Fawns are difficult to recognise during the work process and can be injured or killed by the mower.

Goals and solution

To design a reliable system which detects wild animals while driving and automatically raises the mowing unit without delay or send a signal to the driver. This should lead to a reduction in the number of fawns injured or killed during mowing and an improvement in animal health.

To prevent carcass parts, which cause problems for ruminants, from getting into the forage.

Actions taken

The SENSOSAFE assistance system is designed to detect wild animals while driving and automatically raise the mowing unit without delay or send a signal to the driver. This should lead to a reduction in the number of fawns injured or killed during mowing and an improvement in animal health.

Benefits and Impact

SENSOSAFE has delivered a convincing performance during use on the pilot farms, with an average trigger probability of 92% measured across all test variants. Converted to the number of fawns currently killed or injured, this would mean that PÖTTINGER SENSOSAFE could save around 23,000 fawns in Austria and 92,000 - 184,000 fawns

in Germany (depending on the source). In addition, just as many sources of highly toxic feed contamination could be avoided.

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