

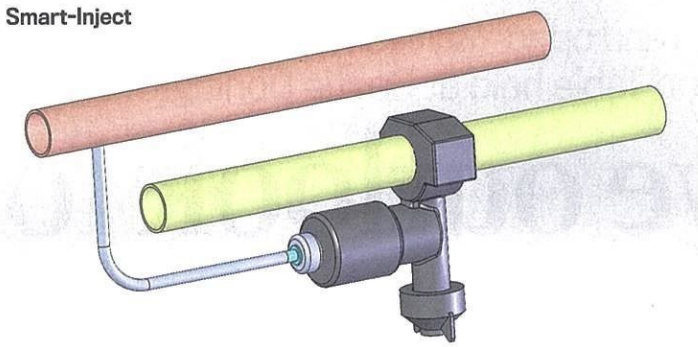
INERY AND TRACTOR SUPPLEMENT

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LAMMA 2025 Machinery

FUTURE INNOVATION FOR ENVIRONMENTAL BENEFIT

D: Smart-Inject (Knight n Machinery)
IIS retrofittable solution is red to offer direct chemical tion into the nozzle stream the Smart-Inject body fitted reen the air-stop/PWM valve. ncentrated chemical is circulated nd the crop sprayer boom through licated micro-pipework. Working njunction with an optical camera m, valves apply chemical through edicated Smart-Inject pipework, g a concentrated dose of ical, claims the manufacturer.



to contain two to three times less plastic than standard net wrap. Design properties also claim to make the material easier to remove than standard net wrap. Once removed, the material is said to be fully recyclable with stretchfilm without the need of separation.

BRONZE: MU 300 E (Tehnos)
DEVELOPED by Tehnos, the MU 300 E mulcher features a patented electric motor. The electric motor is directly integrated into the mulcher's rotor with hammers, claimed to eliminate the need for traditional mechanical drivelines.



GY INNOVATION OF THE YEAR



ing the system can warn drivers vehicles which are overtaking right and left turns, issue ings to the driver and nearby rians too close to the vehicle operational manoeuvres lings, yards and the field. system is also claimed to able of issuing warnings to ver and nearby pedestrians ound the drawbar or pto hile the pto is running. real-time warning system to aid the operator of a vehicle tifying and protecting bystanders t potential hazards.

IZE: Kverneland Sync and ceCentre (Kverneland)



KVERNELAND Sync is claimed to aid data flow between IsoBus implements and digital software systems. Enabling easier task management and remote diagnostics, the manufacturer's system is said to offer continuous connectivity to Kverneland online services, eliminating manual syncing and enhancing efficiency. This allows data transfer to IsoMatch FarmCentre and Kverneland ServiceCentre regardless of IsoBus terminal. A remote service, Kverneland Sync gateway offers the possibility to connect remotely to ServiceCentre. Using the system, Kverneland claims technicians will be able to analyse the data and resolve issues remotely.

ARABLE CROP CARE INNOVATION OF THE YEAR

GOLD: DNA Auto Spore Sampler (Agri Samplers and Polygenyn)
THE DNA and LFD Auto Spore Sampler combines innovative technologies from Agri Samplers and Polygenyn. The Spore Sampler captures an air sample and analyses it for the presence of airborne pathogens. This all takes place within the machine in real-time without the need for human intervention for up to eight days. The auto spore trap samples 200 litres of air per minute, collecting airborne particles, such as fungal spores and bacteria, into a sampling tube.

The spore trap can be flexibly configured by the user to sample for a defined period within a 24-hour period into each pot (usually 6am to 6pm, which mirrors the spore release times). The following DNA assays have currently been developed for use with the DNA Auto Spore Sampler: potato blight, sclerotinia spores, which affect oilseed rape and a range brassicas, yellow rust, brown rust, septoria botrytis and grape powdery mildew.

SILVER: Plant-by-Plant AI Algorithm for Carrots (Ecorobotix)
ECOROBOTIX has developed a high-precision sprayer powered by artificial intelligence, featuring a variety of crop-specific algorithms, such as those for onions, lettuce and more. Growers can select the desired algorithm from their in-cab tablet to start spot spraying with plant protection products and fertilisers, tailored to their specific crop. Launched this year, the beta carrot algorithm allows the sprayer to distinguish between weeds and carrot plants, spraying only where



DNA Auto Spore Sampler



necessary. This precision reduces chemical input use by up to a claimed 95%.

BRONZE: Aero 32.1 (Kuhn Farm Machinery)
THE Aero 32.1 is Kuhn Farm Machinery's mounted pneumatic boom spreader for fertiliser, granular herbicides, slug pellets and seeding. Available in four boom widths from 24 metres to 30m, four metering units allow the possibility of four different application rates across the width of the machine, which the manufacturer claims to improve variable rate accuracy. The machine delivers granular material through its booms, reducing the risk of product being thrown off course by the wind.