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Croplands and Robotics Plus partner to introduce Prospr to Au and NZ horticulture market

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Croplands is now the exclusive Australasian distributor of Prospr, a robust autonomous, multi-use hybrid vehicle platform for horticulture crops designed by Robotics Plus. Prospr significantly increases efficiency across a variety of crop tasks and alleviates labour challenges, with capabilities including automated intelligent spraying.

The distribution agreement complements the existing technology partnership between the companies. Robotics Plus specialises in the design and build of robotics, AI, and autonomous machines, and Croplands has over 50 years of experience in world-leading spraying solutions.

Sean Mulvaney, General Manager, Croplands, says,Â â??We are proud to partner with Robotics Plus on the design and manufacture of world-leading Quantum sprayer modules to integrate onto Prospr, the autonomous platform developed in New Zealand for horticulture markets. Our focus on bringing emerging solutions to the market continues with the opportunity to distribute Prospr and a range of sprayer attachments across Australia and New Zealand.â? Â

Some of the key features are;

Robust and flexible to maximise utility: Prospr is a robust autonomous vehicle with all-day running that adapts to growersâ?? jobs while reducing emissions, inputs, and reliance on increasingly hard-to-find machine operators. Prosprâ??s unique modular architecture accommodates multiple interchangeable tools being developed, including newly released tower sprayers for grapes, apples, or tree crops.

Fuel Efficiency: Prospr has an all-electric drive system for superior torque and control. Its onboard power generation, with a Tier 4 diesel generator, allows the vehicle to operate for extended periods without charging or refuelling. Regenerative braking and high-capacity batteries extend range, while its intelligent all-wheel-drive system with independent wheel motors gives superior manoeuvrability, grip, and control.

Modular and adaptable: Prospr has a small footprint and unique steering configuration, incorporating electric steering and independent motors. The vehicle turns covers the ground area faster, maximising productivity and spray time compared to machines that turn on every second row or greater. The vehicleâ??s lightweight design, combined with its unique tyre and wheel configuration, reduces ground compaction.Â

Q Series Sprayers: Q Series Sprayers, developed by Robotics Plus in conjunction with Croplands, allow growers to deploy a range of sprayer configurations, adapting to various crop types and growing systems. The sprayers are built using Croplands Quantum fans that produce targeted, controlled and turbulent air for better coverage from the superior droplet formation and spray deposition. Â

Safety and Management: To implement Prospr, a mesh network is installed to give a more consistent connection and interaction with the machine, improving operational efficiencies and user safety. Multiple machines can be managed simultaneously by one or two operators from a single remote control via a fixed or mobile console