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New Holland PLM™ technology leverages intelligence gained from the NH^{Drive} concept autonomous tractor providing productivity gains to agriculture

The IntelliTurn intelligent automatic end of row turn system released at SIMA 2017 utilises NH^{Drive} technology:

- *Automatic turn system mimics what an operator would do.*
- *Smart, intuitive setup utilises existing parameters for easy operation.*
- *Maximises infield efficiency as operator can concentrate on the task.*

PLM Cygnus-A mid-range receiver and increased IntelliSteer Lite platform support:

- *Ideal for IntelliSteer LITE assisted steering and yield mapping:*
- *Supports PLM1 (+/- 15cm accuracy) and PLM2 (+/- 5cm accuracy) New Holland correction signals, along with PLM Connect RTK (+/- 2.5cm). WAAS and EGNOS corrections also supported.*
- *Increased vehicle support for customer flexibility - New Holland T4, T5, T6, T7, T8 and T9 Tractors, New Holland Combine Harvesters, numerous New Holland legacy vehicles and mixed fleet solutions available in 2017.*

PLM Open system expands to include the support of industry guidance swaths

- *New Holland IntelliSteer AutoGuidance now supports an increased number of guidance swaths for increased compatibility within mixed fleets.*

PLM Connect Telematics adds 2-way ISOXML file support

- *Increased compatibility for customer ease of use.*

New Holland is introducing numerous upgrades to its PLM™ product portfolio with many links back to the NH^{Drive} concept autonomous tractor unveiled in 2016. During 2017 the NH^{Drive} project will transition to customer pilots. “Following our SIMA Silver Medal for Innovation and our work during 2016, we are now in a position to begin customer based trials to further understand how autonomy will assist our agricultural customers around the world” says Dan Halliday, lead for PLM Product Management at New Holland. “We will form strong partnerships with our customers to understand where this technology is best utilised and how it impacts traditional agriculture.”

At the SIMA show, a T7.315 NH^{Drive} tractor is on display on the New Holland stand.

During 2017 New Holland will utilise the NH^{Drive} technology across the family of products. The easily transferrable technology will be seen on T8, T7 and T4 Specialty tractors.



PRESS RELEASE

The IntelliTurn intelligent automatic end of row turn system released at SIMA 2017 utilises NH^{Drive} technology.

The system, to be released on tractors in the first quarter of 2017 and on harvesters by the end of the year, mimics what an operator would do and allows last swath, headland or boundary trigger points to initialise the automatic turn.

The NH^{Drive} development has been undertaken with the understanding that autonomy is where all of the building blocks converge. Features developed during this journey to autonomy will be commercially launched along the way. IntelliTurn is a very strong step in this direction. The product is not simply an auto-turn system; it will mirror what an operator actually does on the headland and will greatly reduce operator fatigue whilst increasing productivity. This product is the most intelligent solution since autoguidance was launched and offers a very intuitive setup and ease of operation for farmers.

PLM Cygnus-A mid-range receiver and increased IntelliSteer Lite platform support

Increased vehicle support and a mid-range DGPS receiver further strengthen the IntelliSteer LITE product offering into 2017. The PLM Cygnus-A receiver provides a mid-range price point and supports WAAS, EGNOS as well as PLM1, PLM2 and PLM Connect RTK correct signals.

SIMA also sees the release of branded correction signals from New Holland to support the Cygnus-A receiver. PLM1 and PLM2 provide accuracy levels of 15cm and 5cm respectively and will be available from the New Holland dealer network.

Alongside the flagship IntelliSteer autoguidance solution, IntelliSteer LITE with the PLM Cygnus-A receiver offers a midrange solution utilizing Electric motor delivery. The user interface, via the IntelliView IV display, mimics the flagship IntelliSteer product so that farmers only have one process of setup and operation to learn. This means a PLM steering solution for all applications. The PLM Cygnus-A receiver is also well suited for Yield Mapping applications

PLM Open system expands to include the support of industry guidance swaths

SIMA 2017 sees the expansion of IntelliSteer straight-line guidance swath support. This is in line with New Holland's open strategy and PLM system to enable customer choice and mixed fleet capability. This addition is another example allowing farmers to have increased compatibility across their fleets.

PLM Connect Telematics adds 2-way ISOXML file support

The PLM Connect system will also see increased compatibility with industry standard data types. During 2016, improvements to the IntelliView IV allowed the 2-way sharing of ISOXML files using USB memory sticks. ISOXML compatibility has been added to the PLM Connect 2-way file transfer product in line with New Holland's Open data and Connected strategy, providing customer choice within its secure system and not limiting them to specific data types. ISOXML is the industry standard that New Holland have been involved in creating – support is now added to the PLM Connect suite.

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