TRUE BLUE

NEW HOLLAND
AGRICULTURE

PRECISION LAND MANAGEMENT

2018 EDITION

PLM

PRECISION LAND
MANAGEMENT

PRECISION AGRICULTURE

In farming, so many things are beyond your control – the weather, commodity prices, availability of qualified labour, to name just a few. New Holland Precision Land Management (PLM) puts you back in control, with precision technology that supports farm productivity and efficiencies across your entire operation – so you can make the most of every season.

New Holland Precision Land Management (PLM)

Our OEM precision farming solutions support high-efficiency farming by enabling efficient use of time, resources and inputs to maximise returns on every acre. PLM gives you more control over every operation down to the square inch. From managing inputs during field preparation, planting and growing, to monitoring yield and moisture at harvest – you control the entire crop production cycle. Reduce waste, increase overall efficiency and uncover opportunities that turn potential into profit. Enhance your farm productivity and make the most of every season – with New Holland PLM.

PLM Certified Dealers

New Holland PLM certified dealers have PLM specialists on hand to help you operate and manage your precision farming technology, so you get the most out of your investment. PLM specialists provide a best-in-class experience and have the tools to help you calculate the ROI of PLM solutions. **Visit www.newholland.com to find a certified dealer near you with our dealer locator.**

PLM Support Team and PLM Product Specialists

Our comprehensive New Holland support network works alongside you to quickly answer any questions you have. Get expert help from someone who's familiar with your terrain. Our dedicated PLM and product specialists are based in the field, working alongside New Holland dealers and customers.

Table of Contents

ALL-MAKES COMPATIBLE

Whether you have a shed full of New Holland equipment or a mixed fleet, we have precision solutions for you.

ALL MAKES

MIXED FLEET SOLUTIONS FOR:

- John Deere
- Case IH
- Massey Ferguson
- Fendt
- And more!

All-makes compatible products are labeled with the all-makes icon throughout this catalogue.

DISPLAYS

IntelliView™ IV   ALL MAKES

PLM uses a single, integrated display with a common interface across all platforms of your New Holland equipment. The intuitive, Customisable, and easy-to-read display allows you to view up to six run screens for controlling key vehicle functions and running PLM applications.

Display Features

- 10.4" (26.4 cm) colour touchscreen display
- 3 video inputs to monitor implements and grain tank fill, ease vehicle back-up and increase safety
- 6 Customisable run screens allow you to configure what you want to monitor and/or control
- ISOBUS Virtual Terminal

Guidance and Mapping

- PLM IntelliSteer automated steering
- PLM IntelliTurn automatic end-of-row turns
- As-applied and coverage maps for record keeping, analysis, and planning

UPGRADES		DEMO FEATURES
Additional Features and Upgrades		**Available Demo Features**
• ISO Task Controller	• IntelliBale	• ISO Task Controller
• PLM IntelliTurn	• IntelliCruise	• PLM IntelliTurn
• MultiSwath⁺ Line Splitting		
• IntelliSteer All-Makes		

IntelliView IV ALL MAKES

Equipment Optimisation

ISOBUS Class 3 communicates information between the implement and the tractor, allowing the implement to control tractor functions to optimise packaging, bale density, forage quality and bale consistency.

IntelliBale

IntelliBale improves productivity and reduces operator fatigue utilising ISOBUS Class 3 Tractor and Baler Automation to automate the baling cycle by:

• Stopping the tractor
• Applying net wrap to the bale
• Raising and lowering the tailgate

IntelliCruise™

IntelliCruise automatically adjusts the tractor's forward speed to maintain a consistent feed rate so you are always baling at the desired capacity.

Charge Control Mode uses crop feed readings from the baler to adjust tractor speed to achieve optimum efficiency while Slice Control Mode adjusts the tractor speed to obtain a user defined amount of slices.

• Dramatically reduces operator fatigue
• Increases capacity and productivity by up to 9% compared with an inexperienced or fatigued operator
• Less fuel consumption reduces production cost

Application Control

Prescription Variable-Rate Application

Supports up to 7 products between the implement or vehicle software, ISO Task Controller or any combination of these.

Automatic Section Control

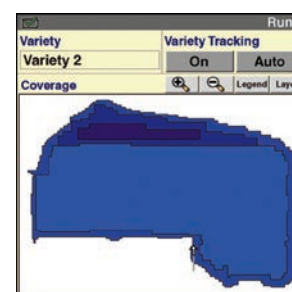Supports up to 48 sections independently to minimise skips or overlaps.

Harvesting

Yield and Moisture Mapping

Monitors and records yield and moisture data.

Variety Tracking

Tracks yield and moisture data by hybrid or variety using as-applied planting data.

Integrated PLM IntelliView IV Display	Tractors	Tillage	Planting	Seeding	Sprayers	Hay & Forage	Combines	Forage Harvester	Grape Harvester
Variable-Rate and Section Control			•	•	•				
PLM IntelliSteer Auto Guidance	•	•	•	•	•	•	•	•	
PLM IntelliTurn	•	•	•	•					
Camera/Video Display	•	•	•	•	•	•	•		
ISOBUS Compliant Implement Interface	•		•	•	•	•		•	•
Performance/ Productivity Monitoring	•	•	•	•	•	•	•	•	•
Prescriptions	•		•	•	•			•	•
Summary Data	•	•	•	•	•	•	•	•	•
Moisture Monitoring and Yield Mapping						•	•	•	•

1. Optional on Guardian® sprayers and Combination Units.
2. Optional on Guardian sprayers.

XCN-2050™ ALL MAKES

The XCN-2050 display is an advanced, in-cab, multi-touch screen display, built on the Android™ operating system. The intuitive interface makes it easy for both beginning and advanced users to implement precision agriculture solutions.

Display Features

- 12.1" (30.7 cm) high-definition colour touchscreen display
- Integrated camera with support for an additional external camera
- Customisable tablet-like interface
- Choice of configurations with Precision-IQ™ and FM-1000™ Plus display software

Guidance and Mapping

- Autopilot™, Autopilot™ Motor Drive, EZ-Pilot® or EZ-Steer® steering systems
- TrueGuide™ and TrueTracker™ Implement Guidance
- NextSwath™ end-of-row turn technology
- As-applied and coverage mapping

Application Control

- Field-IQ™ crop input control:
  – Automatic section control for up to 48 sections
  – Variable-rate control of up to 6 products
- ISOBUS section and variable-rate
- Serial Rate and TUVR (Universal Variable-Rate)

Harvesting

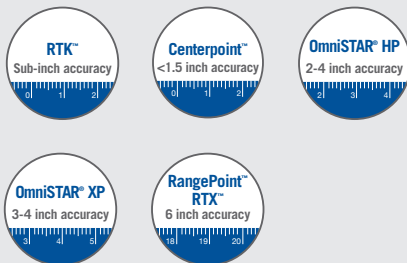- Yield monitoring and mapping

Water Management

- FieldLevel™ II land leveling and levee installation

GNSS Receiver/Antenna

- GLONASS standard
- Upgradeable to medium and high accuracy
- Second receiver module option
- Integrated RTK radio module option

GUIDANCE	UPGRADES

Correction Sources and Accuracies

RTK™ Sub-inch accuracy	Centerpoint™ <1.5 inch accuracy	OmniSTAR® HP 2-4 inch accuracy

OmniSTAR® XP 3-4 inch accuracy	RangePoint™ RTX™ 6 inch accuracy

Additional Features and Accuracy Upgrades

Features
- FM-1000™ Plus APP
- ISOBUS Task Controller
- Multi-Product Control
- Prescription Variable-Rate
- Serial Rate and TUVR
- NextSwath

- ISOBUS Multi-Product Control
- TrueTracker
- TrueGuide
- Yield Monitoring
- FieldLevel II
- Vehicle to Vehicle Data Exchange

Accuracy Level
- Basic to Medium
- Medium to High
- Basic to High

XCN-1050™ ALL MAKES

Tackle farming applications for every season and across all your equipment brands with the new XCN-1050 display system with NAV-900. The XCN-1050 display is a sleek, easy-to-use display featuring a quad-core processor and the Precision-IQ™ field application software.

NEW!

Display Features

- 10" (25.4 cm) high-definition colour touchscreen display
- Bluetooth® and WiFi capable
- Includes Precision-IQ™ field application software
- Front-facing 1.0 MP camera
- Built-in VRS Daemon – connect to VRS networks via cell phone or other internet capable device

Guidance and Mapping

- Autopilot™, Autopilot™ Motor Drive, EZ-Pilot PRO and manual guidance
- NextSwath™ end-of-row turn technology

Application Control

- Field-IQ™ Basic
  - Single liquid product control
  - Up to 24 individually controlled sections
- ISOBUS
  - Universal Terminal (UT)
  - Task Controller (TC) with multi-product control of up to 2 products
  - Section Controller (SC)
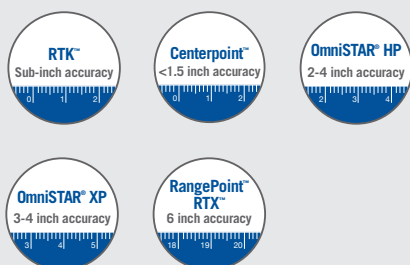- Serial Rate and TUVR (Universal Variable-Rate)

NAV-900

- Integrates the GNSS receiver and Autopilot™ Guidance Controller in a single, roof-mounted enclosure
- Powerful GNSS receiver supports GPS, GLONASS, Galileo, and Beidou satellite systems
- Delivers faster convergence times and more robust performance in areas where satellite visibility may be obstructed
- Features quick release mounting adapter for New Holland and other brands for easy installation and transfer between vehicles

GUIDANCE

Correction Sources and Accuracies

RTK™ Sub-inch accuracy 0 1 2

Centerpoint™ <1.5 inch accuracy 0 1 2

OmniSTAR® HP 2-4 inch accuracy 2 3 4

OmniSTAR® XP 3-4 inch accuracy 3 4 5

RangePoint™ RTX™ 6 inch accuracy 18 19 20

UPGRADES

Additional Features and Accuracy Upgrades
Features
- VRS Correction Client
- Prescription Variable-Rate
- ISOBUS Task Controller
- Serial Rate and TUVR
- ISOBUS Multi-Product Control

- Autopilot™ (CAN install)
- Autopilot™ (Autopilot Motor Drive install)
- NextSwath*

Accuracy Level
- Basic to Medium
- Medium to High
- Basic to High

FM-750™ ALL MAKES

The FM-750 display is an affordable, multi-function guidance display offering key precision agriculture functionality. This intuitive display allows you to easily perform day-to-day farming tasks, extend your operating hours, and enhance productivity on your farm.

Display Features

- 8.0" (20.3 cm) colour touchscreen display
- Intuitive user interface
- 2 video camera inputs
- Integrated dual-frequency, GLONASS ready GPS receiver

Guidance and Mapping

- Compatible with Autopilot™, Autopilot™ Motor Drive, EZ-Pilot®, or EZ-Steer® steering systems
- As-applied and coverage mapping

Application Control

- Field-IQ™ crop input control
  - Automatic section control for up to 48 sections
  - Two product variable-rate application control
- Seed monitoring
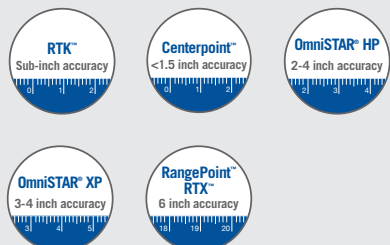- Serial rate and TUVR (Universal Variable-Rate)

Harvesting

- Basic yield monitoring and mapping

GUIDANCE

Correction Sources and Accuracies

- **RTK™** Sub-inch accuracy
- **Centerpoint™** <1.5 inch accuracy
- **OmniSTAR® HP** 2-4 inch accuracy
- **OmniSTAR® XP** 3-4 inch accuracy
- **RangePoint™ RTX™** 6 inch accuracy

UPGRADES

Additional Features and Accuracy Upgrades

Features
- Variable-Rate Control
- Yield Monitoring

Accuracy Level
- Basic to Medium
- Medium to High
- GLONASS Activation

EZ-Guide® 250 ALL MAKES

The EZ-Guide 250 display provides high-quality, entry-level guidance capabilities at an entry-level price. It is well-suited for broadacre crop applications with the standard sub-meter GPS antenna or upgrade to 15.24cm - 20.32cm (6-8") pass-to-pass accuracy using the optional AG-15 antenna. Perform manual guidance or add a steering system to make your farming operations easier – day or night.

Display Features

• Compact 4.3" (10.9 cm) colour display
• One-touch function buttons
• Intuitive user-interface
• USB data transfer
• Integrated GPS receiver

Guidance and Mapping

• Compatible with the EZ-Steer® assisted steering system
• As-applied and coverage mapping

GUIDANCE AND UPGRADES

Accuracy Upgrade
• AG-15 Antenna for improved accuracy

Display Comparison Chart

Features	XCN-2050™	XCN-1050™	FM-750™	EZ-Guide 250
Screen Size	12.1" (30.7 cm)	10.1" (25.6 cm)	8.0" (20.3 cm)	4.3" (10.9 cm)
Video Camera Inputs	2	1	2	
Built-In GPS Receiver	•	•*	•	•
Built-In Bluetooth		•		
Built-In WiFi		•		
GLONASS Compatibility	Standard	Standard	Upgrade	
Automated Steering	•	•	•	
Autopilot™ Motor Drive	•	•	•	
Assisted Steering	•	•	•	•
Row Guidance	•			
Implement Guidance	•			
ISOBUS Universal Terminal	•	•		
ISOBUS Task Controller	•	•		
ISOBUS Multi Product Control		•		
TUVR Support	•	•	•	
Variable-Rate Application	•	•	•	
Automatic Section Control	•	•	•	
Seed Monitoring	•		•	
Water Management	•			
Yield Monitoring	•		•	
NextSwath End-of-row Turn	•	•		

In the NAV-900

Camera Kits and Accessories

Adapter Cables

IntelliView IV Display Adapter Cable†
Part No. ZAE31200043
- Works with any Voyager camera
- Allows for up to 3 camera inputs

IntelliView IV Display

Part No. ZAE31200043

XCN-2050™/ XCN-1050™/ FM-1000™/FM-750™ Display Adapter Cable†
Part No. ZAE31100083HD
- Works with any Voyager camera

FM-750 Display

Part No. ZAE31100083HD

Universal Camera Mount
Part No. ZAEUCMNTHD

Allows mounting of the ZAEVCMS155BHD camera to a round railing or a flat surface as well as turn and adjust the camera to virtually any angle.

Extension Cables

Voyager Extension Cables
25' – Part No. ZAECEC25HD
50' – Part No. ZAECEC50HD
75' – Part No. ZAECEC75HD

- Noncorrosive locking connectors with 4-pin round plug
- Fully weatherproof connectors on both ends allows multiple ¨daisy chain¨ connections up to 200 ft. max.
- Camera cable is impervious to chemicals, oils, gasoline, salt, etc.

Part No. ZAECEC75HD

Part No. ZAECEC25HD

† If non-mirrored image is required you must use Part No. ZAEVCMS155BHD camera.

Camera Kits and Accessories

Cameras

Super CMOS Cylinder Colour Observation Camera
Part No. ZAEVCMSYL50I
- Electronic iris
- Waterproof (IPX7)
- 12 volt DC power
- Viewing angle: 131°
- Low-light enhancement (0 Lux with IR LED on)
- Image orientation: mirror (reversed)
- Rugged machined aluminum body
- 1.25"W × 1.25"H × 1.5"D

Voyager CMOS Colour Camera
Part No. ZAEVCCS155BHD
- Electronic iris
- Waterproof (IPX69)
- 12 volt DC power
- Viewing angle: 140°
- Low-light enhancement (0 Lux with IR LED on)
- Microphone
- Image orientation: mirror (reversed) and normal
- 2.7"W × 1.7"H × 5"D

Combine DIA Kits

Part No.	Applications
47822761	MY 15 and later CR Series Combines MY 15 and later CX Series Combines

Features
Efficient monitoring of:
- **Auger** – More effectively unload on the go

Includes
- 1 camera (Part No. 47768902)
- Mounting brackets, cable, and hardware

RECEIVERS AND CORRECTION SERVICES

NH 372 ALL MAKES

The NH 372 GNSS receiver is a high-performance, dual-frequency GPS and GLONASS smart antenna/receiver. Combining GPS and GLONASS significantly increases the number of satellites available to the receiver at any one time, resulting in increased uptime during crucial field operations.

Receiver Features

- GLONASS enabled at each correction level where supported by the correction service
- Common mounting and cabling as the NH 252 and NH 262
- Supports RTK corrections transmitted by radio or cellular modem
- xFill™ technology to enhance reliability and robustness of RTK operation
- Available in three accuracy levels: basic, medium and high
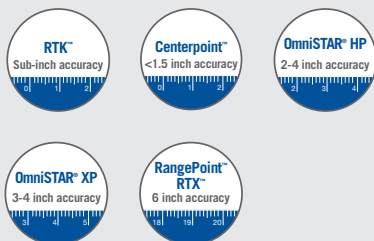
Accuracy Across Your Operation

The NH 372 is easily transferred between vehicles and can be used across your entire fleet:

- Use with the IntelliView IV or IntelliView III display and PLM IntelliSteer for reliable automated steering
- Spatially record important as-applied and harvest yield and moisture data
- Add to third-party displays or use in stand-alone applications

GUIDANCE	UPGRADES
Correction Sources and Accuracies	**Accuracy Level**
RTK™ Sub-inch accuracy	• Basic to Medium
Centerpoint™ <1.5 inch accuracy	• Medium to High
OmniSTAR® HP 2-4 inch accuracy	• Basic to High
OmniSTAR® XP 3-4 inch accuracy	
RangePoint™ RTX™ 6 inch accuracy	

RTK CONNECTIVITY OPTIONS ALL MAKES

GX450 WiFi Modem

With 4G/LTE support and 3G backup, the GX450 Modem provides excellent connectivity for cellular RTK corrections.

Features

- 4G/LTE compatible with Telstra, Optus, Vodafone
- 2.4 GHz WiFi providing access for up to 8 clients simultaneously
- LED lights for simple diagnostics of power, activity, signal, and network

Advantages

- Bring your own data plan, giving you the flexibility to choose the plan that best fits your operation
- The compact size allows the GX450 to be easily mounted in the vehicle cab
- Easily configurable through the IntelliView IV when used with the NH 372 GNSS receiver

COMPATIBILITY

Compatible with:
- IntelliView IV
- XCN-2050™
- FM-1000™
- XCN-1050™
- FM-750™
- NH 372

AG-715 RTK Radio

The AG-715 integrated radio was designed exclusively for use with the NH 372 GNSS receiver, providing access to high-precision CenterPoint™ RTK networks:

- The compact AG-715 design mounts easily under the NH 372 GNSS receiver
- Available in 900, 450-470 MHz frequency ranges

AM-53 Modem

The AM-53 Modem transports NTRIP correction data via cellular from a correction source such as other CORS/VRS service:

- Common modem with PLM Connect
- Dual GSM/CDMA SIM standard
- Easily configured through the IntelliView IV

Correction Services

New Holland offers a number of corrections with three types of delivery so you can choose what is best for your operation.

Correction Accuracy and Initialization

Correction Options	Delivery Method	Accuracy						Initialization/Convergence			
		<1" (2.5cm)	1.5" (3.8cm)	+/-2" (5cm)	2-4" (5 - 101.6cm)	3-4" (7.6 - 101.6cm)	6"	<1 min	<5 min	<30 min	<45 min
RTK™		�|						▅			
CenterPoint™		▅▅						▅ * //////// **			
OmniStar® HP		▅▅▅						▅▅▅▅▅			
OmniStar® XP		▅▅▅▅						▅▅▅▅▅			
RangePoint RTX		▅▅▅▅▅						▅▅▅			

* CenterPoint RTX STANDARD initialization/convergence <30 min*

Delivery Method Applications

Delivery Method	Requires
	Open views of the sky at all times
	Reliable cellular coverage is available
	Established RTK base station within 12.8 kms

Pass to Pass

Field Operations	< 2.54cm	+ / - 3.81cm	+ / - 6.09CM	+ / - 15.24CM
Spraying				
Spreading				
Field Preparation				
Mapping				
Harvesting				
Seeding				
Planting				
StripTill				
Water Management				
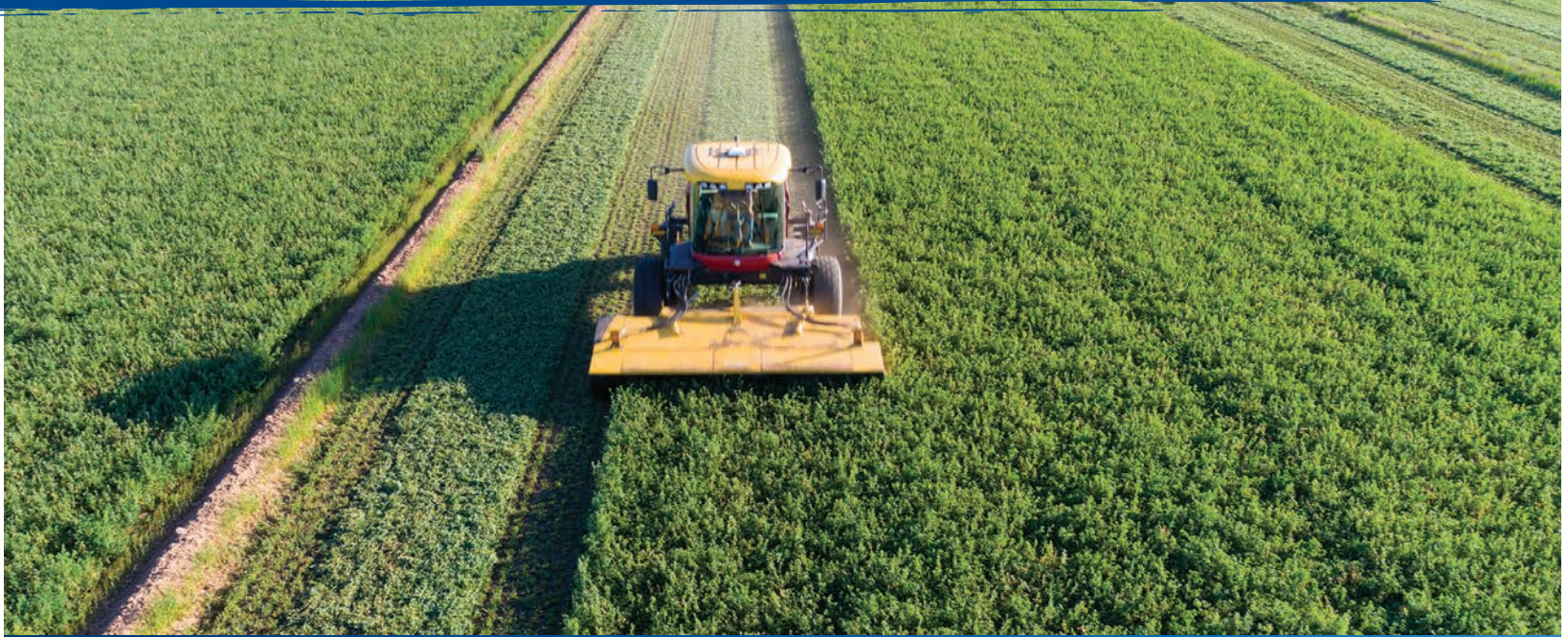
AUTO GUIDANCE / MACHINE CONTROL

IntelliSteer™ Automated Guidance System

Advance your operation with PLM IntelliSteer. IntelliSteer is available from the factory or can be easily added to any IntelliSteer-ready New Holland tractor, combine, windrower, or sprayer. Many older New Holland models can also be retrofit with PLM IntelliSteer.

Features

- Fully integrated auto guidance control system ensures parallel pass-to-pass swaths to eliminate skips and overlap
- Delivers accuracy as precise as sub-inch with the NH 372 GNSS receiver
- Controlled through the IntelliView IV touchscreen display which can monitor machine functions and run precision applications in addition to controlling IntelliSteer
- Uses T3 terrain compensation for maintaining accuracy in rolling terrain

Advantages

- Maximises productivity and efficiency across your operation
- Saves on seed, fertiliser, chemicals and other inputs by minimising skips and overlaps
- Minimises field compaction and further improves agronomic performance using controlled-traffic patterns
- Reduces operator fatigue
- All-makes packages are also available and can be integrated into most brands and models of equipment

PLM INTELLISTEER COMPATIBILITY

Compatible with:
- PLM IntelliTurn*
- MultiSwath⁺ Line Splitting
- IntelliView IV display
- NH 372 GNSS receiver

PLM IntelliTurn   ALL MAKES

PLM IntelliTurn works with PLM IntelliSteer to provide hands-free steering for automatic, repeatable end-of-row turns – maximising a vehicle's turning accuracy and overall efficiency while reducing operator fatigue. PLM IntelliTurn improves yield potential by ensuring agronomically correct field layouts that can be precisely followed during every phase of the crop production cycle.

Features

- Intuitive speed and distance indicator
- Displays time and distance countdown to the upcoming turn
- Displays a vehicle speed threshold for the planned turn

Advantages

- Continuously projects and customises the vehicle's turn path
- Plans turning paths in irregular-shaped fields
- Uses implement positioning as a reference point to trigger a turn
- Ensures that the implement is square after every turn
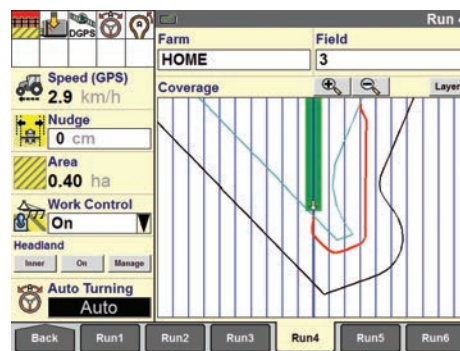
Fully Customisable

- Choose between multiple turn triggers including headlands, field boundaries or end-of-swath
- Make early or late turns
- Skip up to 12 swaths
- Customise turn path to optimise positioning for re-entry when using trailing implements with a long hitch

COMPATIBILITY

Compatible with:*

- T6 series tractors
- T7 series tractors
- T8 series tractors
- T9 series tractors

* PLM IntelliTurn is compatible with New Holland 2011 – current model vehicles. Vehicles must be equipped with PLM IntelliSteer and include an IntelliView IV display, NH 262/372 receiver and a NAV II/III controller.

Autopilot™ Automated Steering System ALL MAKES

Autopilot automatically steers your vehicle on-line with maximum precision. When your vehicle gets offline, Autopilot signals it to adjust its position to follow the correct path, no matter the field pattern or terrain type – so you can focus on the job ahead of you.

Features

- Provides automatic steering for your vehicle with one-inch repeatability
- Integrates directly into your vehicle's hydraulics for clear access to cab control
- Utilises terrain compensation technology for high accuracy on difficult terrain
- Ideal for the most demanding row crop farming applications
- Plugs in to many guidance-ready vehicles, minimising the need for additional equipment

Advantages

- Complete field applications quickly and accurately
- Reduce operator fatigue and increase safety
- Operate day or night and in dusty or low visibility conditions

NextSwath™ End-of-Row Turn Technology

NextSwath end-of-row turn technology, optional on the XCN-2050™ display, will automatically calculate and execute the best possible path to turn around a vehicle and approach the next crop row or swath with the implement precisely aligned to begin working.

OnSwath™ Line Acquisition Technology

OnSwath line acquisition technology allows Autopilot users to customise line acquisition preferences to the vehicle and field operation at hand. Using OnSwath the vehicle projects its path to the line, which allows it to get back online faster.

Terrain Compensation Technology

Autopilot uses T3™ sensors to calculate the actual position of the vehicle to help minimise skips and overlaps in areas with rolling terrain, slopes, and rough ground.

COMPATIBILITY

Compatible with:

Auto Guidance
- TrueTracker™ Implement Steering
- TrueGuide™ Implement Steering

Displays
- XCN-2050™
- XCN-1050™
- FM-1000™
- FM-750™

Autopilot™ Motor Drive Automated Steering System

Autopilot Motor Drive is an electric, hands-free, automated steering system that delivers highly accurate, Autopilot-level steering with the ease of installation of the EZ-Pilot® system. No matter your vehicle type or brand, the Autopilot Motor Drive system can be quickly transferred from one vehicle to another.

Features

- Simple installation
- Highly accurate automated steering capable of sub-inch accuracy
- Slow speed and reverse operation

Advantages

- Less time and cost to install than traditional hydraulic steering solutions
- Ideal for most row crop and any broad-acre farming applications
- Easily transfer between vehicles

Terrain Compensation Technology

Autopilot Motor Drive uses T3™ sensors to calculate the actual position of the vehicle to help minimise skips and overlaps in areas with rolling terrain, slopes, and rough ground.

COMPATIBILITY

Compatible with:

Auto Guidance	Displays
• TrueTracker™ Implement Steering	• XCN-2050™
• TrueGuide™ Implement Steering	• XCN-1050™
• RG-100 Row Guidance	• FM-750™

EZ-Pilot® ALL MAKES

The EZ-Pilot assisted steering system is a high-performance, low-cost assisted steering solution that is sleekly integrated into the vehicle's steering column and can be installed on most brands and models of tractors and harvesting equipment. EZ-Pilot Utilises an integrated electric motor drive for high accuracy at an affordable price.

Features

- Provides hands-free guidance for your many farm vehicle types
- Integrates directly into the steering column for clear access to cab control
- Allows for unrestricted manual steering when assisted steering is not engaged
- Utilises terrain compensation technology for high accuracy on difficult terrain
- Ideal for both low-accuracy broadacre and high-accuracy row-crop farming applications

Advantages

- Maximises uptime: complete field operations quickly and accurately
- Fast-reacting motor allows system to quickly get the vehicle online and stay there
- Reduces operator fatigue and increases safety
- Operates day or night and in dusty or low-visibility conditions

Terrain Compensation Technology

EZ-Pilot uses T3™ sensors to calculate the actual position of the vehicle to help minimise skips and overlaps in areas with rolling terrain, slopes, and rough ground.

EZ-Steer® ALL MAKES

The EZ-Steer assisted steering system provides simple, portable, hands-free farming for more than 1,200 vehicle models – old and new. The EZ-Steer system turns the steering wheel for you by combining a friction wheel and motor. It keeps your vehicle in line for efficient, low-stress steering capabilities for your farming applications.

Features

- Provides hands-free guidance for your many farm vehicle types
- Allows for unrestricted manual steering when disengaged
- Utilises terrain compensation technology for high accuracy on difficult terrain
- Easy to install and transfer between vehicles
- Ideal for broadacre farming applications where extremely accurate positions are not required

Advantages

- Completes field applications quickly and accurately
- Reduces operator fatigue and increases safety
- Operates day or night and in dusty or low-visibility conditions

Terrain Compensation Technology

EZ-Steer uses T2® sensors to calculate the actual position of the vehicle to help minimise skips and overlaps in areas with rolling terrain, slopes, and rough ground.

EZ-PILOT / EZ-STEER COMPATIBILITY

Compatible with:

EZ-Pilot Displays	EZ-Steer Displays
• XCN-2050™	• XCN-2050™
• FM-750™	• FM-750™
• FM-1000™	• FM-1000™
	• EZ-Guide® 250

TrueTracker™ ⬡ALL MAKES

TrueTracker is an active implement guidance system that keeps your tractor and implement on the same guidance line. When the implement drifts, the Autopilot automated steering system signals your implement to independently adjust its position to follow the correct path, allowing the implement to correct itself without any compensation from the tractor.
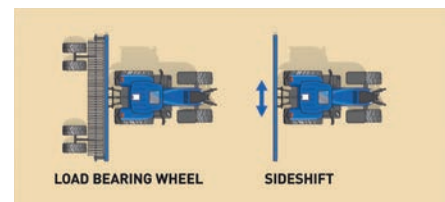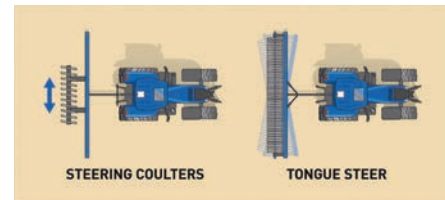
Features

- Allows the implement to correct its position without input from the tractor
- Utilises terrain compensation technology for high accuracy on difficult terrain
- Ideal for row crop and control traffic applications

Advantages

- Accurately steers the implement and tractor on a repeatable path
- Operates in difficult terrain and variable soil conditions
- Minimises drift and results in more consistent guess rows
- Reduces crop damage and compaction
- Improves seedbed and nutrient placement

Terrain Compensation Technology

TrueTracker Utilises T3™ sensors to calculate the actual position of the vehicle to help minimise skips and overlaps in areas with rolling terrain, slopes, and rough ground.

STEERING COULTERS   TONGUE STEER

LOAD BEARING WHEEL   SIDESHIFT

ARTICULATING THREE POINT

TrueGuide™ ⬡ALL MAKES

Control your implement with the TrueGuide implement guidance system — a passive guidance system that monitors and corrects the position of your implement with compensation from your tractor.

Features

- Adjusts the implement's location to the line with movement from the tractor
- Ideal for broadacre crop applications in which control traffic is not required
- Uses the existing Autopilot or Autopilot Motor Drive System – only requires a GNSS antenna on the implement
- Terrain compensation for roll

Advantages

- Reduces uncontrolled drift of the implement by more than 50% over guiding the tractor alone
- Increase your precision with input placement
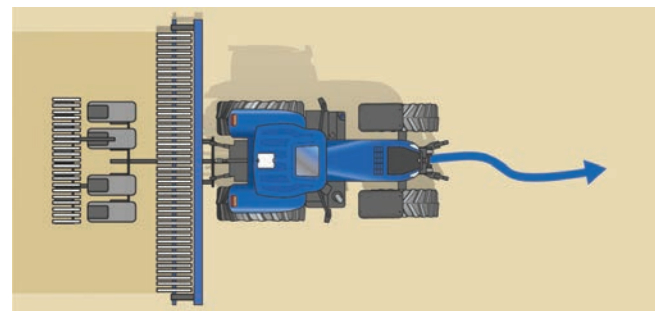
TRUEGUIDE/TRUETRACKER COMPATIBILITY

Compatible with:

Auto Guidance	Display
• Autopilot™	• XCN-2050™
• Autopilot™ Motor Drive	

SECTION AND RATE CONTROL

Application Control Systems

Precision application systems allow you to control your application of products to reduce input costs while positively impacting yields and your bottom line.

Automatic Section Control

Automatically shuts off rows or sections, eliminating double applications of seed and fertiliser. Using GPS, the planter, sprayer, or other applicator automatically turns on and off individual sections or rows in areas that have already been applied or in areas that you don't want to apply such as waterways or outside the field boundaries.

Variable-Rate Application Control

Your fields have varying soil types, fertility, and other characteristics. Why treat the whole field the same? Automatic variable-rate application Utilises GPS and prescriptions to control the rate throughout different zones in the field, applying more where needed and less where it is not. This allows you to save on inputs and get the most from those areas of the field that have the highest yield potential.

Without section control

With section control

ISOBUS Product Control ALL MAKES

PLM® ISOBUS Product Control gives you the power to view your implement on your ISO-compliant display via a virtual terminal and control your implement's necessary functions at the touch of a finger. PLM ISOBUS Product Control is compatible with many ISO-enabled displays and supports a variety of field applications, making it a great solution for the mixed fleet grower.

Features and Advantages

- Installs in minutes
- Easy user interface
- One-time setup
- Settings automatically transfer from machine to machine
- Plug n' play with your existing ISOBUS-compliant display
- Ability to perform variable-rate, section control, prescriptions, and as-applied mapping

ISOBUS Product Control Platforms

- Dry spreader
- Liquid fertiliser/anhydrous ammonia
- Slurry
- Sprayer
- Weather station

COMPATIBILITY

Compatible with:
Displays
- IntelliView™ IV
- John Deere 2630
- John Deere Generation 4
- Mueller TOUCH800® and TOUCH1200®
- Ag Leader Integra

Dry Spreader Application System

Whether you want to utilise variable-rate capabilities or control your rate manually, this intuitive interface has everything you need to accurately and easily manage your spreader application.

Viewable Parameters

- Dual bin actual/target application rate
- Gate heights and spinners on/off
- Ground speed, belt speeds, and spinner RPM
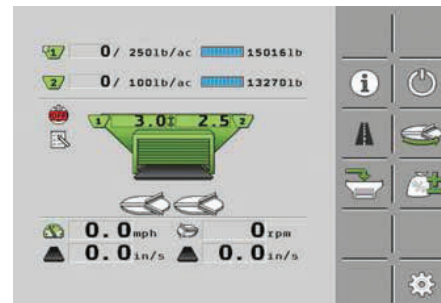
Additional Functionality

- Spinner/fan control
- Distributor control
- Application counters
- Bin chaining
- Bin level (2/bin)

System Information	
Products Controlled	2
Product Control Type	Manual or Prescription Variable-Rate
Section Control	Yes
As-Applied Mapping	Yes
Supported Valve Types	Servo or PWM
Compatible Harnessing	Raven 660 and Field-IQ™

ISOBUS Product Control ALL MAKES

## Liquid Fertiliser and Ammonia Application System

Cover more ground with less fertiliser with the section control and variable-rate capabilities of the liquid fertiliser application system.

Viewable Parameters
- Speed
- Actual rate and litres remaining
- Acres to empty and area/hour
- Flow rate

Additional Functionality
- Liquid injection
- Application counters
- Tank level (liquid only)
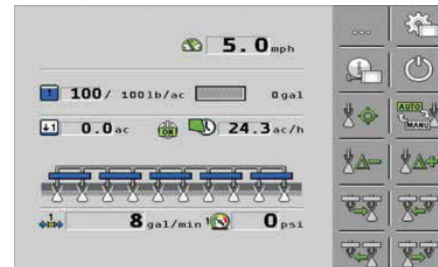
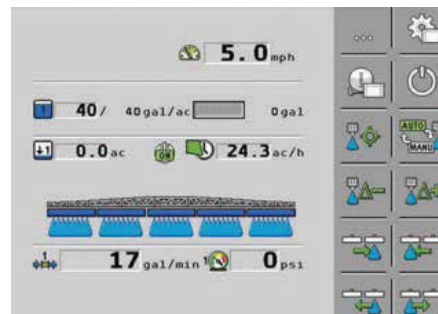| System Information	
Products Controlled	1 Main and 1 Injection
Product Control Type	Manual or Prescription Variable-Rate
Section Control	Yes – 10 Sections
As-Applied Mapping	Yes
Supported Valve Types	Raven, KZ, Dickey-John
Compatible Harnessing	Raven 4X0, 4XX0, and Field-IQ™

Sprayer Application System

The Sprayer Application System provides a live view of your sprayer's performance with up to 10 boom section control for manual or variable-rate application.

Viewable Parameters
- Speed
- Actual rate and litres remaining
- Acres to empty and area/hour
- Flow rate

Additional Functionality
- Application counters

System Information	
Products Controlled	1
Product Control Type	Manual or Prescription Variable-Rate
Section Control	Yes – 10 Sections
As-Applied Mapping	Yes
Supported Valve Types	Raven, KZ, Dickey-John
Compatible Harnessing	Raven 4X0, 4XX0, and Field-IQ

ISOBUS Product Control ALL MAKES
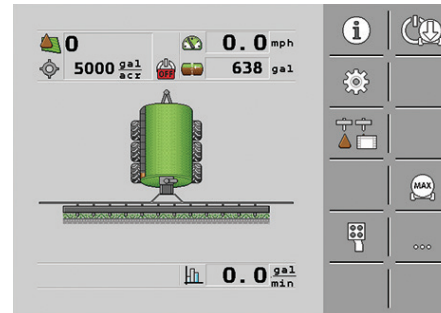
Slurry Application System

ISOBUS Slurry Application System gives you full control of your slurry tanker. Whether you wish to use section control for two booms or 10, this application system has you covered.

Viewable Parameters

• Speed, gallons/acre, tank level
• Virtual tank gauge
• Application rate

### Additional Functionality

• Application counters, tramlines

System Information	
Products Controlled	1
Product Control Type	Manual or Prescription Variable-Rate
Section Control	Yes – 10 Sections
As-Applied Mapping	Yes
Supported Valve Types	Raven, KZ, Dickey-John
Compatible Harnessing	Raven 4X0, 4XX0, and Field-IQ

ISOBUS Weather Station

Be prepared for whatever mother nature has planned by monitoring live weather parameters from the comfort of your cab. The Weather System Kit is the first ISOBUS weather station on the market. It features a simple plug n' play installation process and a maintenance-free design without moving parts for added reliability.

Viewable Parameters

• True and apparent wind speed and direction
• Temperature
• Relative air humidity
• Barometric pressure
• Machine roll and pitch
• Delta T
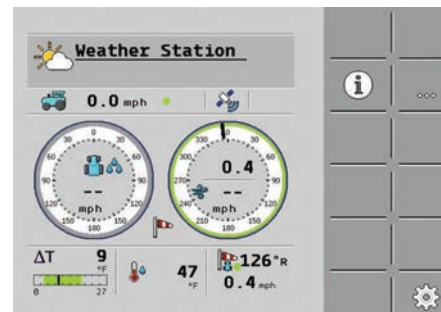
PLM ISOBUS Task Controller ALL MAKES

PLM ISO Task Controller can be used for variable-rate and section control on any compliant ISOBUS implement using the IntelliView IV display.

Features

- Automatic section control based on field boundaries or previously worked areas
- Prescription variable-rate application
- As-applied mapping
- Supports TC-BAS, TC-GEO, and TC-SC
- "Section Only" mode simplifies operation for customers that don't require full functionality
- Variety tracking of seed as well as product tracking for liquid or dry materials

COMPATIBILITY

Compatible with:
Display
- IntelliView IV

Field-IQ™ Crop Input Control System `ALL MAKES`

The Field-IQ Crop Input Control System enables productive and efficient functionality for your planting, nutrient, and pest management operations.

Features

Variable-rate application control

Save on input costs by monitoring and simultaneously varying up to six different materials to precisely plant seeds, apply chemicals, and broadcast fertilisers.

- Simultaneously control the application rate of different materials including seed, granular fertiliser, liquid, and anhydrous ammonia manually or using a prescription
- Keep as-applied mapping records of inputs

Automatic section control

Increase your profits by avoiding double coverage and eliminating wasted inputs using automatic or manual section control.

- Automatically control up to 48 rows individually for maximum savings in seed and increased yields
- Use Vehicle Sync to automate real-time map sharing of coverage maps

Seed monitoring

Monitor real-time seeding information or fertiliser delivery lines and prevent costly planter problems by catching them early before they cause yield reduction.

- See the results of singulation analysis, including information on population, singulation, skips/multiples, spacing, and quality of spacing

Tru Count products

Tru Count Air Clutches and LiquiBlock valves allow you to start and stop the flow of seed and fertiliser in real-time from the vehicle cab.

Spinner speed control

Automatically control spinner speed for spreader application systems.

Advantages

- Decreases input costs
- Eliminates over-application
- Provides even application of product
- Creates uniform yield across fields
- Reduces operator fatigue

Field Overlap Without Section Control*

	Sprayer @ 15 MPH		
	60 FT.	90 FT.	120 FT.
Rectangle with straight rows	2.1	2.1	2.1
Rectangle with angled rows	4.5	5.6	6.8
Parallelogram/Trapezium	3.3	3.9	4.5
Angled with waterway	6.8	9.1	11.5
Pivot	6.3	8.4	10.5
Odd shaped/Contours	13	18	25

Based on KSU work by Terry Kastens: "KSU-GPSguidance.xls" using 100 ac fields.

Field overlap without section control

Field-IQ™ Crop Input Control System   ALL MAKES

Display Functionality	XCN-2050	XCN-1050	FM-750
Automatic Section Control			
Number of Sections	Up to 48	Up to 24	Up to 48
Tru Count Clutches	•		•
Boom Valve	•		•
Control Drives			
Number of Control Drives	Up to 6	1	Up to 2
Rawson	•		•
Servo	•	•	•
PWM	•	•	•
Linear Actuator	•		
Electric Over Hydraulic	•		
Spinner Speed Control	•		
Materials			
Number of Materials	Up to 6	1	Up to 2
Seed	•		•
Granular Fertiliser	•		•
Liquid	•	•	•
Anhydrous	•		•
Seed Monitoring			
Basic Population	•		•
Singulation Analysis	•		•
Variable-Rate Application			
GreenSeeker System	•		
Shapefile Prescription Map	•	•	•
Sprayer Boom Height Control			•

Planting/Drilling

Spreading

Air Seeding

Strip Till/Anhydrous

Spraying

COMPATIBILITY

Compatible with:
Displays
- XCN-2050™
- XCN-1050™*
- FM-750™

** Basic Field-IQ only.*

3000H On-Combine Protein Meter

The New Holland 3000H Protein Meter uses the most advanced on-the-go technology, allowing you to accurately analyse protein, oil and moisture content in real-time, whilst in the paddock. Designed specifically for harsh Australian conditions, it is resistant to heat, vibration and dust. It is easy to use with simple operation at the touch of a button. To maximise your returns and achieve greater efficiencies whilst decreasing fertiliser costs and wastage, invest in a 3000H today and reap the benefits of working smarter, not harder.

How It Works

The 3000H Protein Meter consists of a Remote Sampling Device located on the clean grain elevator, a NIR Spectrometer and a touch screen PC that combines the protein, oil and moisture data with GPS signals to produce real time paddock maps.
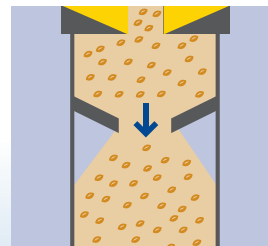
The 3000H is controlled and operated by the touch screen PC located in the cabin, displaying data on screen as a moving average, a bin average and a paddock average.
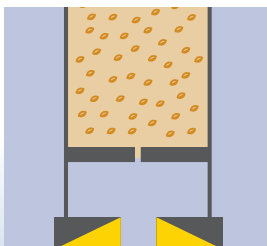
1. Grain travelling up the grain elevator, falls into the remote sample device – opening/closing flaps control amount
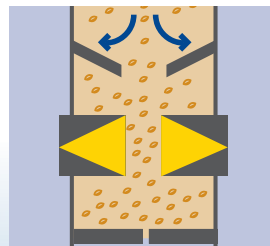
2. Grain is trapped where light passes through and data analysed

3. Bottom flap opens to release trapped grain ready for next sample (10 second cycle)

4. Data transmitted back to touch screen display inside the cabin

3000H On-Combine Protein Meter

ALL MAKES

Improving Yield, Increasing Profitability

The 3000H Protein Meter measures wheat, barley and canola, while the grains are harvested and threshed in a Combine Harvester. By interfacing the 3000H with a GPS unit, paddock maps for protein or oil can be plotted in real time on a touch screen PC located in the cabin. Data can be stored in the PC or uploaded to a website where it can be viewed from a remote PC, smart phone or tablet. More detailed paddock maps can then be developed using PLM Mapping programs.

Near Infrared Transmission Spectroscopy (NIR) is the most widely used technology for measuring protein, oil and moisture in grains and oil seeds. NIR analysers offer farmers, grain buyers, grain processors, biofuel producers and feed companies a rapid means of determining the composition of their crops, incoming materials, their process streams and the final products.

In Paddock Blending

In 2014, a farmer in South Australia stripped an 185ha wheat paddock with an average yield of 4.5t/ha. The top half had an average protein < 10.5% and the bottom half had an average of well above 10.5%. By segregating the top and bottom halves into field bins and then blending when loading into the truck, 17 loads out of 18 went APW at the silo. It resulted in a profit gain of $6900 = $37.29/ha. the final products.

Fertiliser Increases Protein

Another farmer in SA selectively fertilised a section of a paddock with extra nitrogen fertiliser. The figure shows a real-time paddock map of the protein in the wheat as it is stripped. The green dots represent the section where the additional fertiliser was applied.

The bulk of the paddock shown with red dots was tested as APW grade wheat, whereas the area shown as green dots was tested as H2 grade. This example shows the impact of variable rate fertilisation and the ability of the 3000H to measure protein in the paddock.
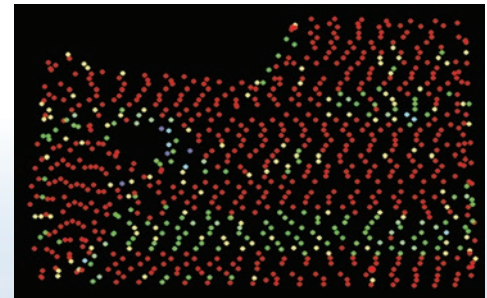
NIR Technology Systems' complete range includes portable on farm analysers, bench top analysers for use at a weighbridge and laboratory analysers for grain processors online system for silos and factories.

DATA MANAGEMENT

PLM Software [ALL MAKES]

A single software suite enables you to maximise the value of your PLM technology. PLM Software enables you to view, edit, manage, analyze and utilise your precision farming data. Designed to fit your operation's needs, PLM Software offers the flexibility and analysis power to support all your precision farming needs. Generate yield maps, prescription maps and more from a single, integrated software package. Organise and generate layouts, reports, charts and maps all with a single software program. Plus, create soil sampling maps, create and print reports and import satellite imagery.

Technology In The Field

Use PLM data – historical and in season – to plan for higher yields this year and in the years to come. Rather than work an entire field, target the appropriate tillage to areas showing likely signs of compaction, or use variable-rate technology to apply the right nutrients at the proper rate, precisely when your growing crop needs them.

Multiple File Formats

New Holland PLM Software makes it easy to import and export data in a variety of file formats, allowing you to pull in data from multiple sources.

- ESRI Shape
- ASCII text
- BMP, JPEG, GeoTIFF or TIF image files

PLM Viewer [ALL MAKES]

View and track your data with a customised list of farms and fields, which can then be shared with precision farming devices for data management. No unlock, and no expiration.
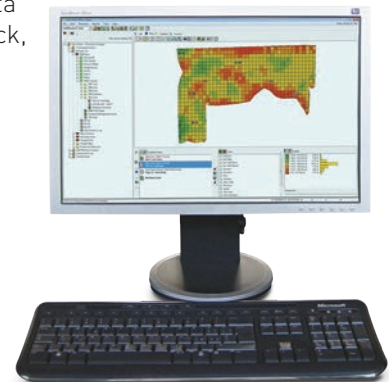
PLM Mapping ⬡ ALL MAKES

PLM Mapping provides basic and advanced layering functionality while maintaining a complete field record-keeping system. With the flexibility to handle multiple types of hardware solutions, this package allows you to make management decisions from yield data, soil types, soil test results, hybrids, and more.

- Read and write data for use with a wide range of precision farming devices
- Layer variety maps with yield maps to establish yield performance
- Create, edit and manage guidance paths from popular guidance systems including all New Holland guidance displays
- Print reports for seed varieties, restricted use chemicals, fertiliser usage, equipment maintenance and more
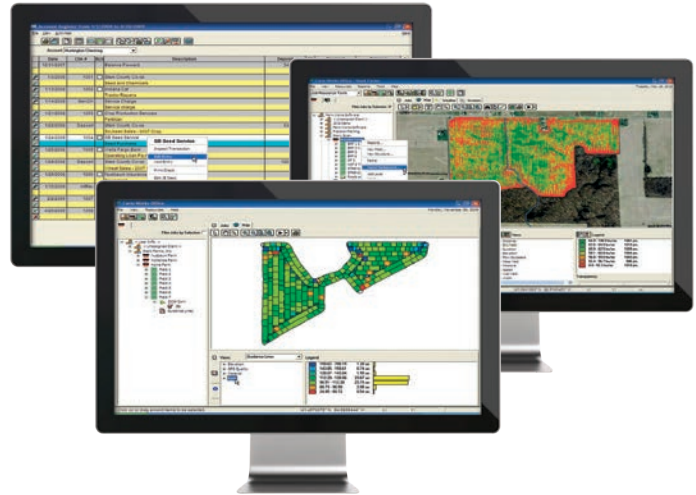
Data Management

Overlay yield and soil maps to determine the best use of inputs for the field. Then, generate a prescription that can be sent directly to the machine using Data Sharing:

- **Soil Map.** Analyze a field's soil makeup to help determine which fertiliser to use and how much
- **Yield Map.** Analyze previous years' yield maps to help determine input amounts in any given location in the field for maximised yield potential
- **Prescription Map.** Generate a prescription map using yield and soil data to maximise an entire field's growing potential while minimising input costs; transfer the prescription directly to the machine using Data Sharing with PLM Connect

- **As-Applied Map.** Record exactly what is being applied during application
- **Vehicle Performance Map.** Map fuel economy using the Trip Computer software in the IntelliView IV display to analyze differences in operations and operators
- **Boundary Map.** Create interior and exterior boundaries of fields, such as waterways, terraces, etc

PLM Books ⬡ ALL MAKES

Create summary reports by farm, field, crop or supply to track all farm expenses and revenue:

- Access the profitability of fields, livestock groups and equipment
- Print tax reports for both cash and accrual general ledgers
- Keep up-to-date inventory for supplies (seed, chemicals, fertiliser, feed, etc), harvested crops and livestock

PLM Water Control ⬡ ALL MAKES

PLM Water Control provides subsurface water management solutions:

- View topographical data in 3D from any angle
- Utilise drawing tools to tie laterals to mains, create parallel lateral spacing and clip drainage lines
- Layout and design drainage tiles by size, pipe type and phase
- Enter minimum depth, maximum depth and optimum grade

PLM Connect™ ⬡ ALL MAKES

PLM Connect advanced farm management system gives you instant access to information for every machine in your fleet – including machine location, diagnostics, and fuel and engine stats. Use it to manage operator and equipment performance, and monitor real-time data to make informed decisions that impact your bottom line.

Features

- **Graphic Reports** show area worked, yield average, flow average, moisture average and more
- **Custom Alerts** allow you to create alerts for maintenance, geofencing, curfew and more
- **Fleet Management** pinpoints the exact location of each machine
- **Machine Dashboard Monitoring** allows you to view real-time machine parameters from a remote location: monitor engine speed, oil temperature, coolant temperature and level, hydraulic oil temperature and pressure, fuel and more
- **Vehicle and/or Implement Data Monitoring** lets you view real-time equipment performance data including yield, moisture, singulation, target rates, rotor speed, engine speed and more
- **Data Sharing** seamlessly transfers PLM data wirelessly between your machines and home office — upload prescriptions directly to your machine and drive daily management decisions based on your current agronomic data:
- **Cellular RTK Guidance (NTRIP)** delivers guidance correction to a reliable sub-inch accuracy from year-to-year using PLM Connect hardware

Wireless Data Transfer

Enabling smart decisions

PLM Connect further enhances your connectivity with its wireless file-transfer feature that uses the cloud to easily and securely transfer data to and from your machines. This means easier access, or transfer, of data such as guidance lines, boundaries, variable-rate prescriptions, as-applied data, coverage maps, yield and moisture data, etc.

PLM Connect™ ALL MAKES

PLM *CONNECT TELEMATICS*

Remotely Manage Machines From the Office

By using the PLM Connect virtual dashboard, you can monitor key operating parameters such as engine speed, hydraulic oil temperature, fuel level, and much more, to manage individual vehicle efficiency. You can also receive fault code alerts so that any service issues that arise can be quickly resolved.

Optimising Fleet Management

Monitor up to 40 different vehicle parameters in real time. This allows you to proactively optimise each vehicle's settings using a simple messaging service, which is used to send the operator information on how they can implement the ideal machine settings to improve performance. This feature can also be used to remotely troubleshoot any service issues that might arise, minimising any downtime and ensuring that your equipment is quickly back up and running.

COMPATIBILITY

Compatible with:
Display
- IntelliView IV

Accurate Vehicle Comparisons

Now you can accurately compare the performance of multiple machines to ensure that the most efficient machine settings are used across your entire fleet. You receive data from each field, helping you track operating costs and make informed decisions for improving operating efficiencies.

WATER MANAGEMENT

FieldLevel™ II ALL MAKES
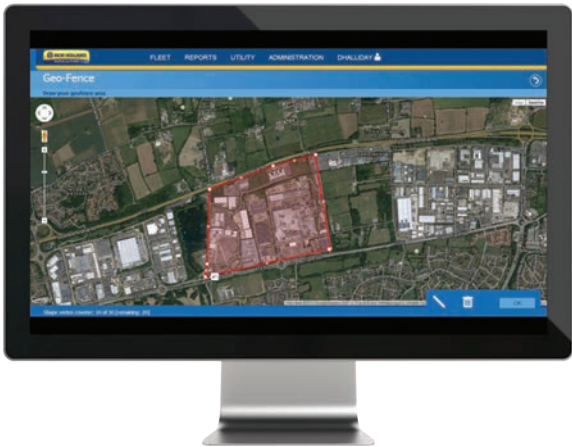
The FieldLevel II system streamlines the surveying, designing, and leveling steps required for land-leveling projects and provides two methods for installing rice levees.

Land Leveling

FieldLevel II is a complete solution for surveying, designing, and leveling field surfaces to ensure optimal water management.

Features

Survey
- Map fields to provide optimal field coverage
- Easily create boundaries, interior points, and surfaces
- Calculate and report on the true acreage of the survey area

Design
- Design the best surface using Autoplane technology
- Define primary and cross slopes
- Utilise Multiplane design software for more complex field requirements

Level
- Drive scraper hydraulic valves automatically
- Operate both tandem and dual scraper systems

Advantages

- Efficiently distribute water by maintaining grade
- Improve yields by controlling the flow of water
- Minimise water costs and improve farm productivity

Use the FieldLevel II System for:

- Topographic surveying
- Land leveling
- Levee design and installation
- Drainage grading

Levee Design and Installation

FieldLevel II offers two methods of installing rice levees including a complete levee design and grade solution or the option of guiding the vehicle manually along a contour.

COMPATIBILITY
Compatible with:
Display
• XCN-2050™

SUPPORT AND RESOURCES

My New Holland

My New Holland is your single stop for all your PLM needs. Use the PLM Cost Savings Calculator to calculate the benefits gained using PLM products. Visit My PLM to register your precision farming equipment to access helpful content such as manuals, quick reference guides and other information. My PLM is also your connection to the PLM Support Center and PLM Academy. **To access My New Holland, visit:** mynewholland.com

PLM Academy

Explore the training catalog, watch tutorials and videos, enroll in complete web-based courses, download informational documents, guides, and more.

PLM Cost Saving Calculator App

The PLM Cost Saving Calculator will help you calculate the benefits gained by utilising PLM products and solutions. The app is available for download for both Apple and Android devices and will show you the potential cost savings and yield improvements specific to your operation.